WELL ABANDONMENT CLOSURE REPORT

PREPARED FOR
MARTHA C. ROSE CHEMICALS SITE
500 WEST MCKISSOCK STREET
HOLDEN, MISSOURI

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SUPERFUND DIVISION

Burns & McDonnell Engineering Company, Inc.
Engineers-Architects-Consultants
Kansas City, Missouri

102040 SUPERFUND RECORDS



RECEIVED

April 21, 2000

APR 2 4 2000

Mr. Steve E. Kinser, R.G.
Remedial Project Manager
United States Environmental Protection Agency
Region VII
901 North 5th Street
Kansas City, Kansas 66101

SUPERFUND DIVISION

Well Abandonment Closure Report Martha C. Rose Chemicals Site ROSECHEM 99-447-4

desica Kidwell

Dear Mr. Kinser:

Enclosed please find the Well Abandonment Closure Report for the Martha C. Rose Chemicals Site in Holden, Missouri. If you have questions regarding the report or require additional copies, please feel contact me at (816) 333-9400.

Sincerely,

Jessica Kidwell Geologist

Enclosures

Robinson Project Management
4155 El Camino Way, Suite A
Palo Alto, CA 94306
(650) 856-2198
Fax (650 856-2199
April 19, 2000

Mr. Steven E. Kinser, RG Remedial Project Manager United States Environmental Protection Agency Region VII 901 North 5th Street Kansas City, KA 66101

Re: Rose Chemicals Site

Dear Mr. Kinser:

On behalf of the Rose Chemicals Steering Committee (RCSC), pursuant to the Administrative Order for Remedial Design and Remedial Action, Docket 7-92-0026, dated September 2, 1992, as amended November 30, 1992 (hereafter RDRA Order), the RCSC is submitting, pursuant to Paragraph 38 thereof, five copies of the enclosed Well Abandonment Closure Report. This Report, together with the other reports previously submitted as required by the RDRA Order, satisfy the RCSC's obligation under the RDRA Order with respect to activities at the Site. Pursuant to the requirements of Paragraph 38, I also state:

To the best of my knowledge, after thorough investigation, I certify that the information contained in or accompanying this submission, or referenced herein, is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violation.

My understanding is that if you find the enclosed Report acceptable, pursuant to Paragraph 38 of the RDRA Order, USEPA will issue to the RCSC a final approval letter indicating that, except for certain limited ongoing matters, the RCSC has completed all of the work required, and specifically all of the work required at the Site, so that we may turn the Site back over to the City of Holden. As to the ongoing commitments, I also understand that USEPA's final approval letter will trigger the record retention period set forth in Paragraph 74 of the RDRA Order, but that the USEPA will modify that record retention period to be of only a five-year duration from the date of its approval letter in light of the extended period of time those records have already been retained without further need.

If you have any questions on the enclosed, or if you require anything further from the RCSC, please do not hesitate to contact me. Let me add that it has been a pleasure, over a long number of years, working with you on this project.

Very truly yours,

Robin J. Robinson Project Manager

cc: J. Scott Pemberton (w/o encl.)
Jene Robinson (w/o encl.)
Joe Kwasnik (w/o encl.)
Doug Ammon (w. encl.)
Sheldon Zabel (w. encl.)

TABLE OF CONTENTS

	Page Number
TRANSMITTAL LETTER	
TABLE OF CONTENTS	TC-1
1.0 INTRODUCTION 1.1 Site Background 1.2 Purpose and Scope	1-1 1-1 1-1
2.0 WELL ABANDONMENT	2-1
3.0 DISPOSAL OF WELL MATERIALS AND CUTTINGS	3-1
APPENDICES APPENDIX A – Well Construction Diagrams APPENDIX B – Summary of Monitoring Well Information APPENDIX C – EPA Letter of Approval APPENDIX D – Monitoring Well Locations APPENDIX E – Variances Granted by Missouri Department of Natural Resources APPENDIX F – Abandonment Registration Records APPENDIX G – A.T.A.S. Laboratory Analytical Report APPENDIX H – Waste Disposal Certificates	

1.0 INTRODUCTION

1.1 SITE BACKGROUND

The Martha C. Rose Chemicals Site is owned by the City of Holden, Missouri, and managed by Clean Sites Incorporated of Alexandria, Virginia. The site is located at 500 West McKissock Street in Holden, just north of the intersection of Missouri Highway 58 and Missouri Highway 131. Polychlorinated Biphenyls (PCBs) once contaminated the site; however, remediation has reduced PCB residual concentrations below 10 mg/kg. A 10-inch soil cover has been placed over most of the 11-acre site, and the entire site has been seeded. The United States Environmental Protection Agency (EPA) has cleared the site for unrestricted use.

In December of 1999 and January of 2000, 30 monitoring wells were abandoned at the Martha C. Rose Chemicals Site. Fifteen of the wells were designated shallow monitoring wells, and 15 were designated deep monitoring wells. The deep monitoring wells, numbered MW-101 through MW-115, extended over 25 feet below the surface. The shallow monitoring wells, numbered MW-201 through MW-215, extended between 5 and 25 feet below the surface. Construction diagrams of these monitoring wells, including screen intervals, materials, and depths are provided in Appendix A. A summary of monitoring well information is presented in Appendix B. No additional monitoring wells exist on the site.

1.2 PURPOSE AND SCOPE

This Well Abandonment Closure Report summarizes the abandonment of 30 groundwater monitoring wells at the Martha C. Rose Chemicals Site. The closure of all monitoring wells at the site was required by the Administrative Order for Remedial Design and Remedial Action dated September 2, 1992, Docket No. VII-92-F-0026, as amended by modifications dated November 30, 1992 and April 7, 1999. As an additional requirement of the above order, the EPA approved the Well Abandonment Closure Plan prepared by Burns & McDonnell Engineering Company, Inc. (Burns & McDonnell). Appendix C contains a copy of the EPA letter of approval. Well abandonment activities were designed to fulfill the applicable requirements and regulations set forth in the Missouri Well Construction Rules, specifically section 10 CSR 23-4.080 for the plugging of monitoring wells. The Missouri well abandonment rules were established to prevent surface contamination from polluting groundwater via vertical fluid migration along well conduits. These regulations were determined to be the only applicable regulations.

* * * * *

2.0 WELL ABANDONMENT

A site map (Appendix D) shows the locations of the abandoned monitoring wells at the Martha C. Rose Chemicals Site. A certified monitoring well installer from Burns & McDonnell and a certified well-drilling contractor from Philip Environmental Services Corporation performed the abandonment in accordance with the applicable Missouri Well Construction Rules (10 CSR 23-4.080). EPA provided oversight of abandonment activities on four occasions.

The monitoring well abandonment proceeded in the following manner:

- All aboveground materials associated with the monitoring wells were physically removed from the wells and deposited in roll-off boxes. Such materials included concrete pads, pumps and steel protective casings.
- Whenever possible, all monitoring well surface casings, riser pipes, well screens and screw plugs were pulled from the boreholes and deposited in roll-off boxes.
- In instances where PVC riser pipes could not be removed integrally from the boreholes, they
 were drilled out instead. Plastic sheeting was placed around the boreholes to contain the
 cuttings.
- In instances where steel surface casing or riser pipes were impossible to remove by pulling or drilling, a variance was obtained from the Missouri Department of Natural Resources (MDNR).
 Copies of all variances are included in Appendix E.
- A tremie pipe was inserted to the total depth of each cleared borehole or riser pipe, and each was backfilled from the bottom upward with a bentonite/cement grout mixture.
- The upper two feet (2') of each plugged borehole or riser pipe was backfilled with soil and compacted to prevent the dehydration of the bentonite/cement grout.
- Philip Environmental Services Corporation, the well drilling contractor, reported the removal,

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plugging and abandonment of these monitoring wells to MDNR on registration report forms supplied by MDNR. Copies of the MDNR Well Abandonment Registration Records can be found in Appendix F.

The disturbed ground surface was spread with soil as necessary, seeded, and mulched.

All well materials were successfully pulled from wells MW-106, MW-107, MW-112, MW-113, MW-114, MW-115, MW-205, MW-210, MW-212, MW-213, MW-214, and MW-215.

Wells MW-101, MW-102, MW-103, MW-104, MW-108, MW-201, MW-202, MW-203, MW-204, MW-206, MW-207, MW-208, MW-209, and MW-211 required overdrilling of PVC riser pipes, well screens, and screw plugs. All other materials were successfully pulled from these wells.

Wells MW-105, MW-109, MW-110, and MW-111 required variances, as they were constructed with well materials that could not be pulled or overdrilled. MDNR granted the following variances:

 Variance 1385 was filed in the course of field activities. MDNR granted approval to abandon MW-109 without pulling the casing and riser pipe or overdrilling. MW-109 was located under a sizable tree that prevented the drill rig from positioning over the well. In addition, MDNR recognized that groundwater samples from MW-109 tested clean in 1996.

The well riser and surface casing were grouted full-length using the tremie method and approved grout material. One cubic yard (3'x3'x3') of existing material was excavated around the well, and the well's surface casing was cut-off three feet (3') below grade. The bottom one foot (1') of the excavation was filled with approved grout material, and the remainder of the excavation was filled with native soil and compacted.

Variance 1387 was filed in the course of field activities. MDNR granted approval to abandon MW-105, MW-110, and MW-111 without pulling their surface casings. Wells MW-105, MW-110, and MW-111 were constructed with 15-20 feet of steel surface casing that could not be pulled in spite of numerous attempts.

Each PVC riser pipe and screen was overdrilled within the steel surface casing. Each borehole was grouted full-length using the tremie method and approved grout material. One cubic yard (3'x3'x3') of existing material was excavated around each well, and each well's surface casing was cut-off three feet (3') below grade. The bottom foot (1') of each excavation was filled with approved grout material, and the remainder of each excavation was filled with native soil and compacted.

Variance 1372 was filed prior to field activities but was never actually required. MDNR granted approval to abandon MW-112, MW-113, MW-114, MW-115, MW-212, MW-213, MW-214, and MW-215 without pulling the casings and riser pipes or overdrilling. These wells were constructed of stainless steel and grouted with cement, making them impossible to overdrill and difficult to pull. Regardless, all well materials were pulled successfully.

* * * * *

3.0 DISPOSAL OF WELL MATERIALS AND CUTTINGS

All well materials and all soil cuttings not utilized for backfill were containerized in roll-off boxes onsite. Analytical data based on a representative composite sample of these materials verified total PCB levels as non-detect (<10.0 parts per billion). A copy of the analytical results is located in Appendix G. Although PCB levels below 50 parts per million are not regulated by 40 CFR 761 and do not require shipment manifests, the roll-off boxes were transported to a TSCA-certified disposal facility and waste materials were disposed as per applicable regulations. This action was in accordance with management policy that all materials leaving the site be disposed in TSCA-certified facilities. Copies of the waste disposal certificates are provided in Appendix H.

* * * * *

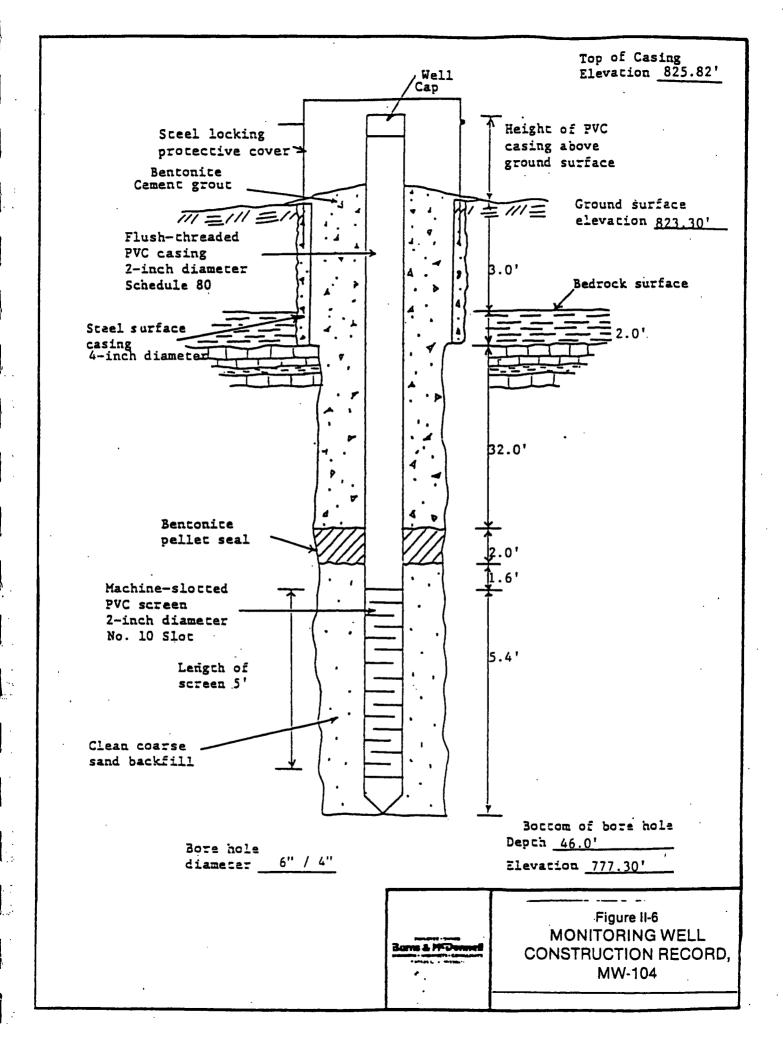
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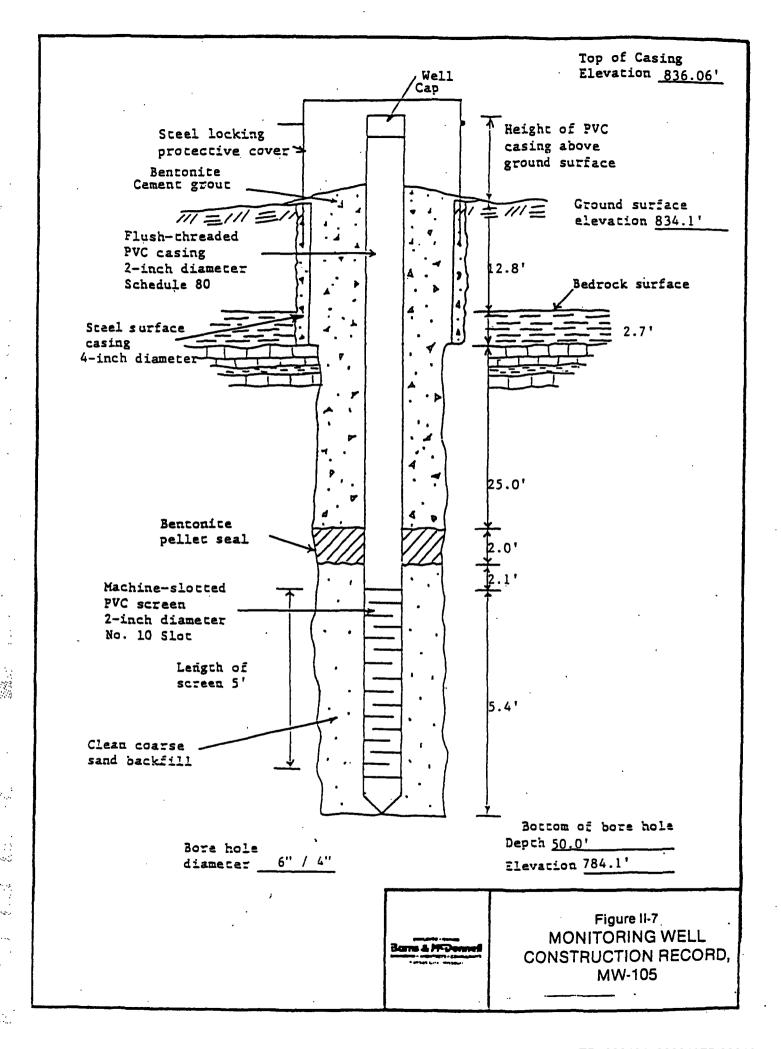
APPENDIX A WELL CONSTRUCTION DIAGRAMS

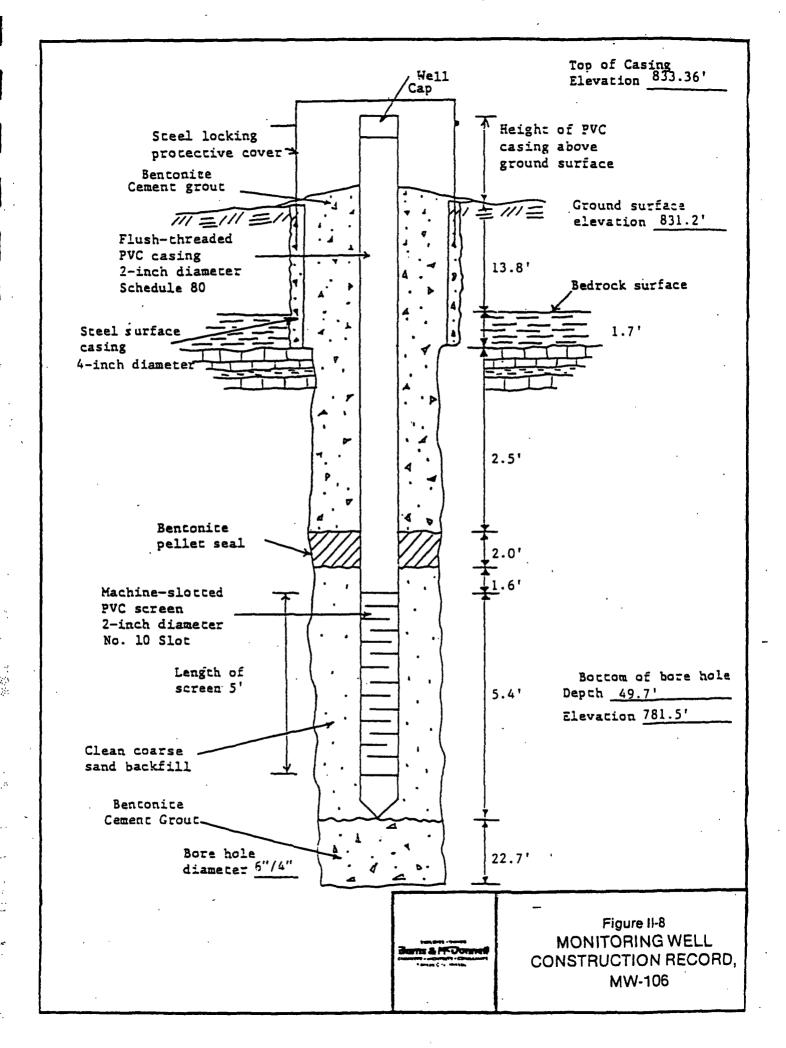
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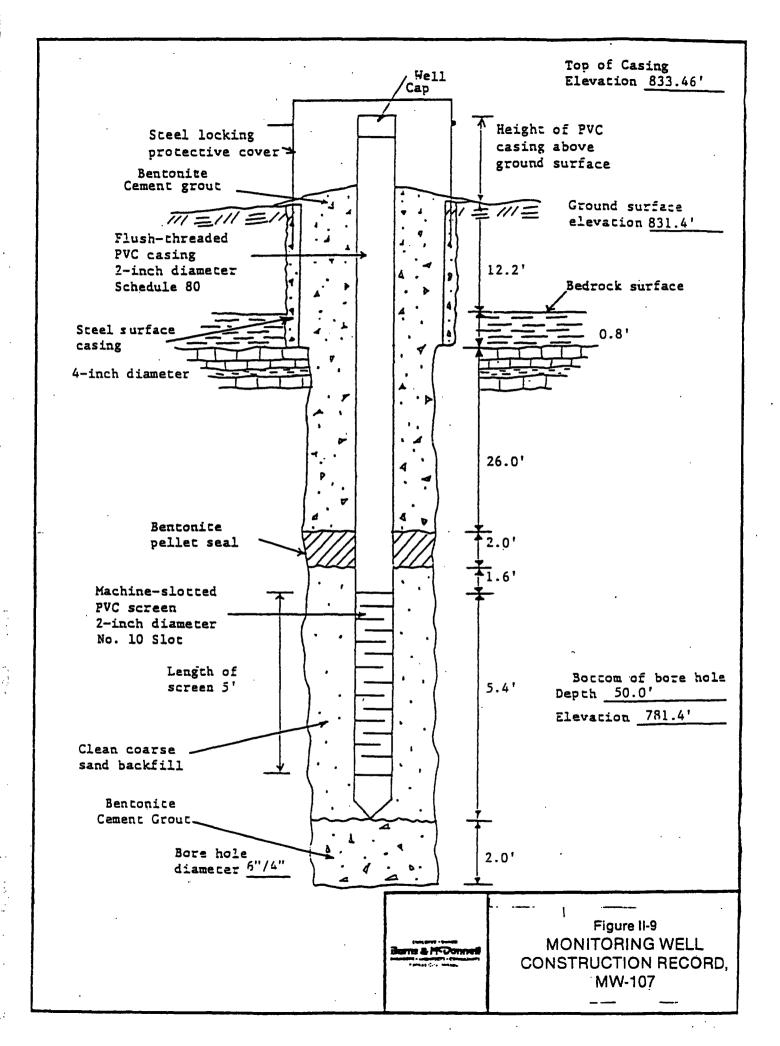
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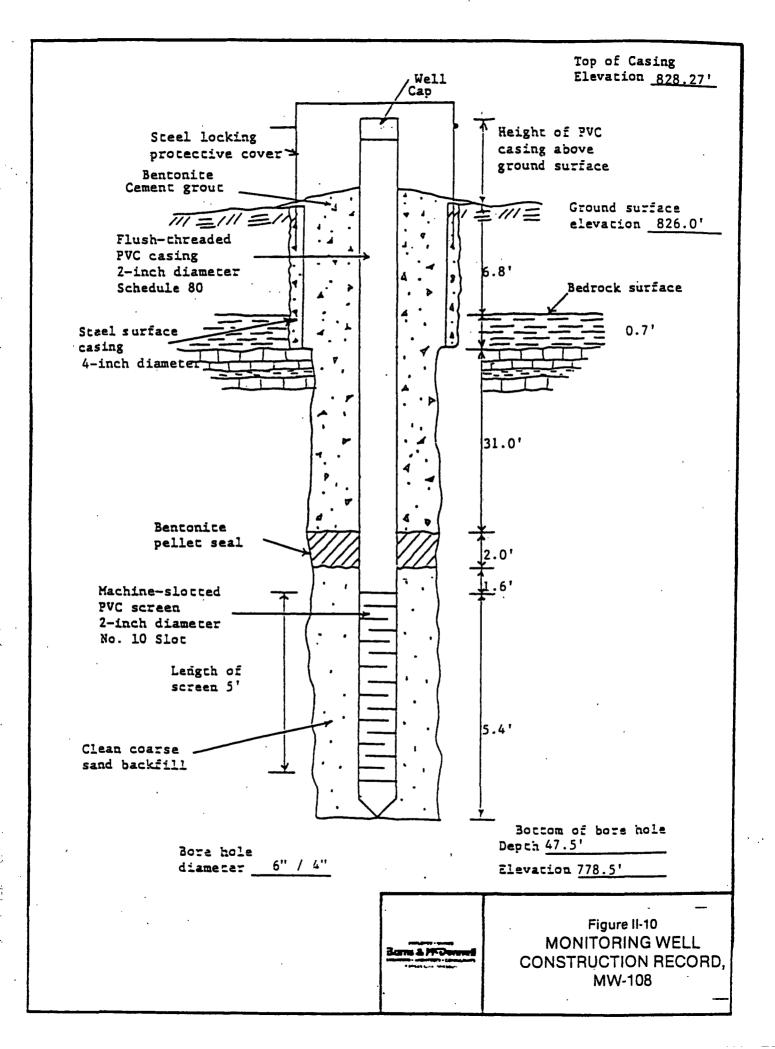
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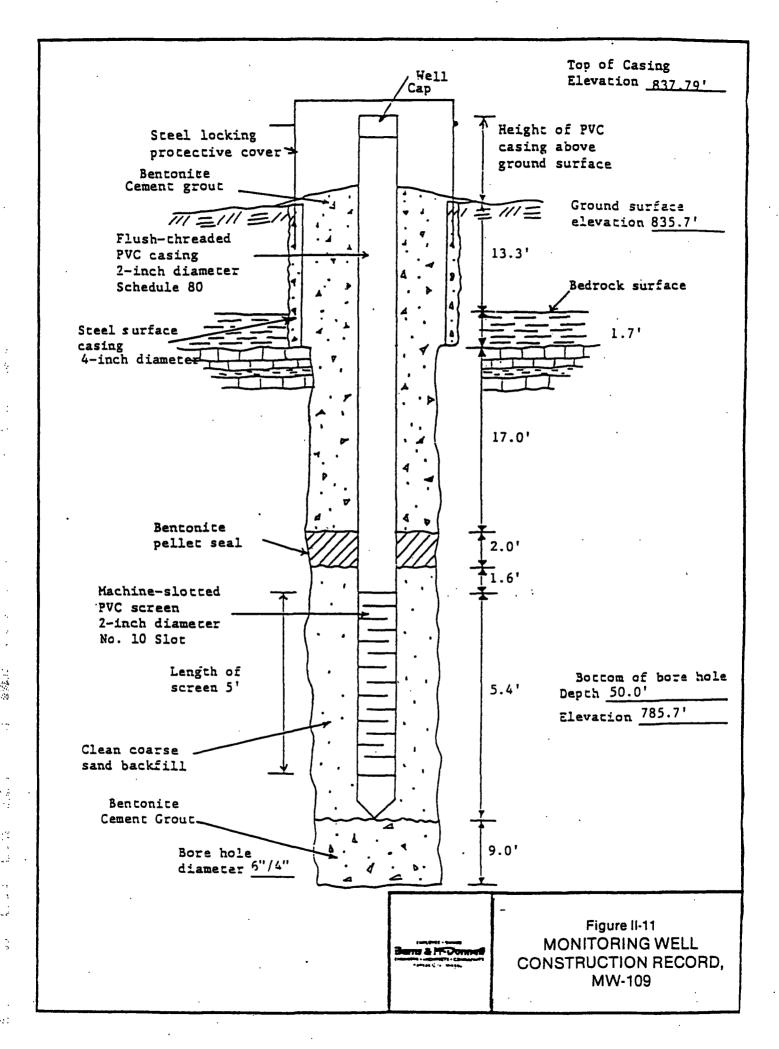


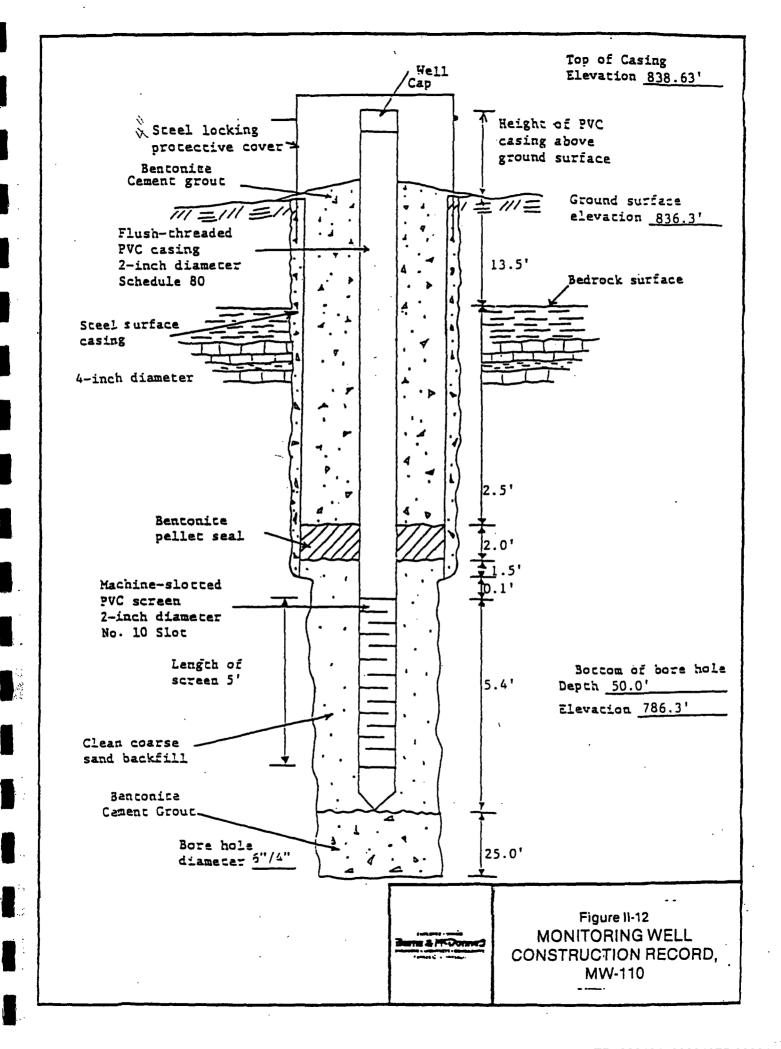


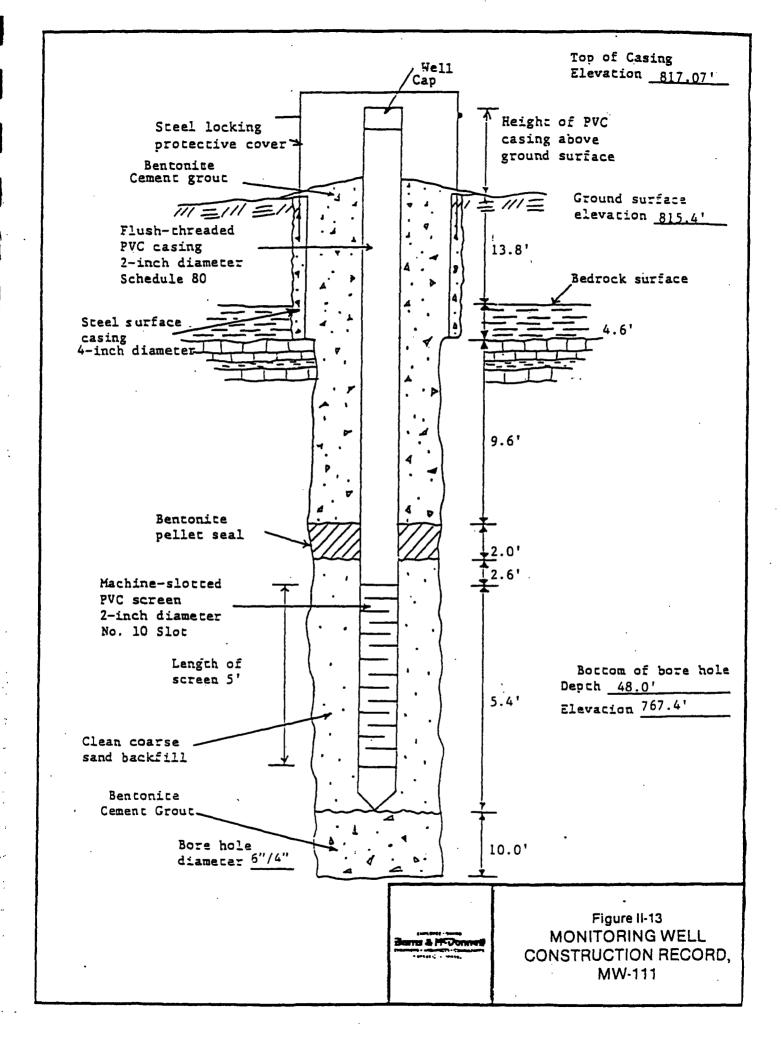












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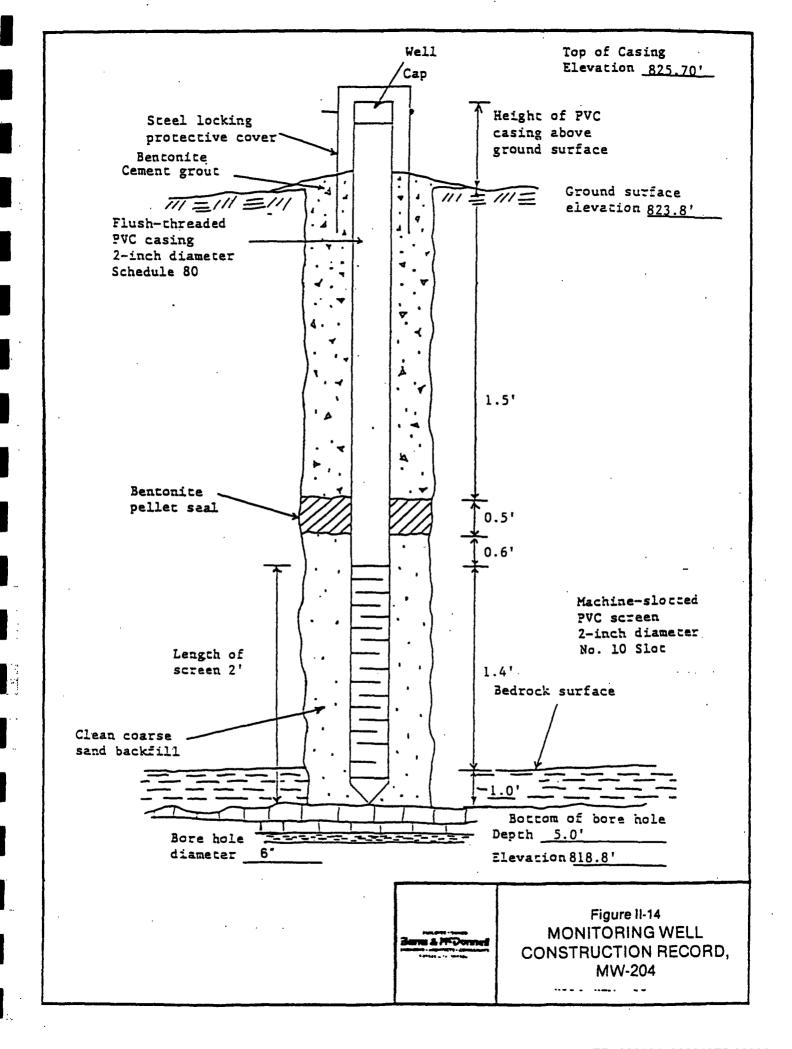
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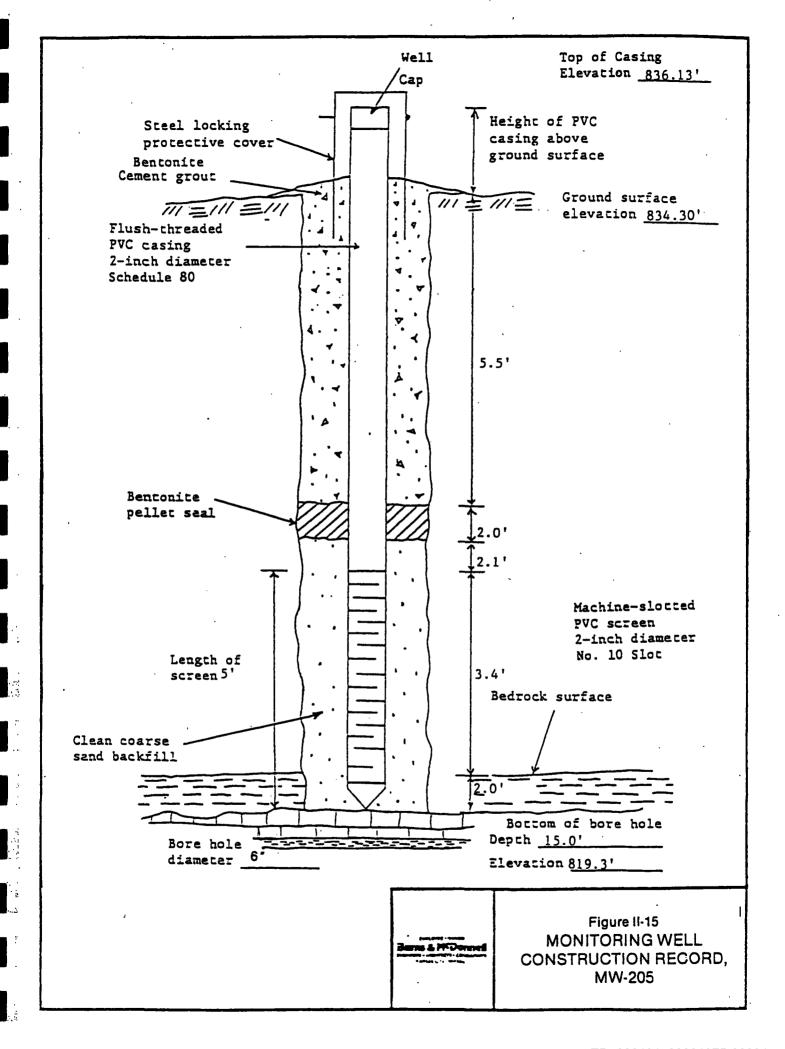
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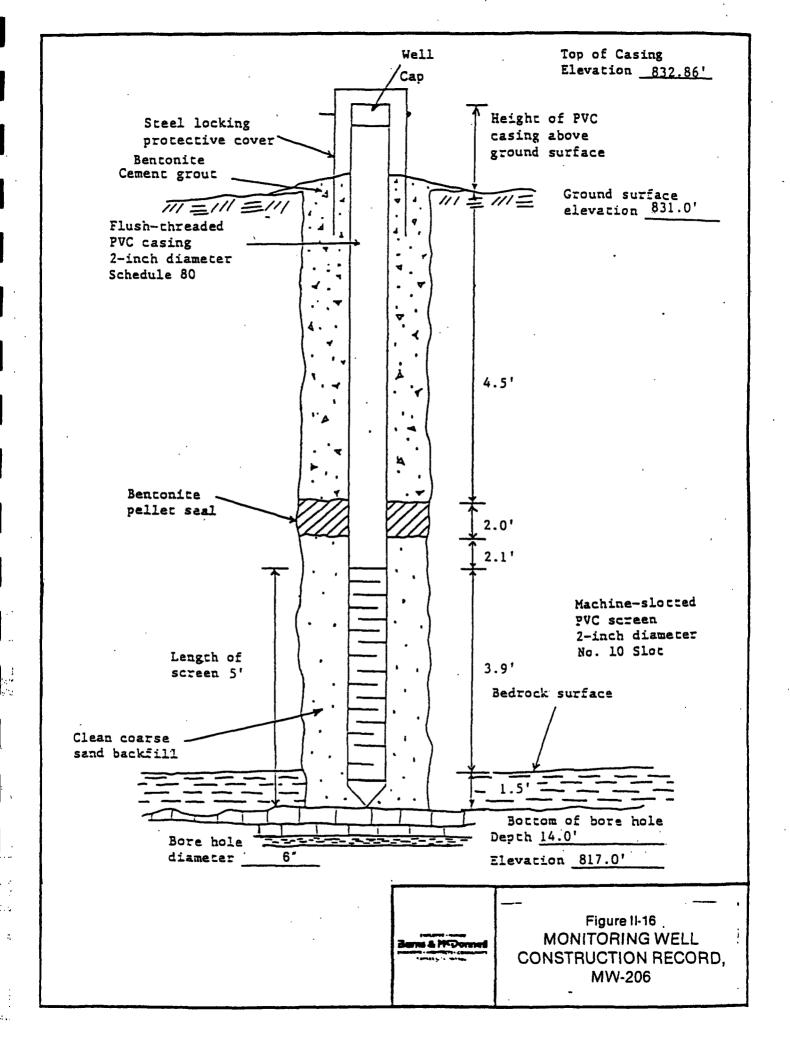
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		STEEL PR	OTECTIVE CAS	ING
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		2° PVC SC	REW PLUG	
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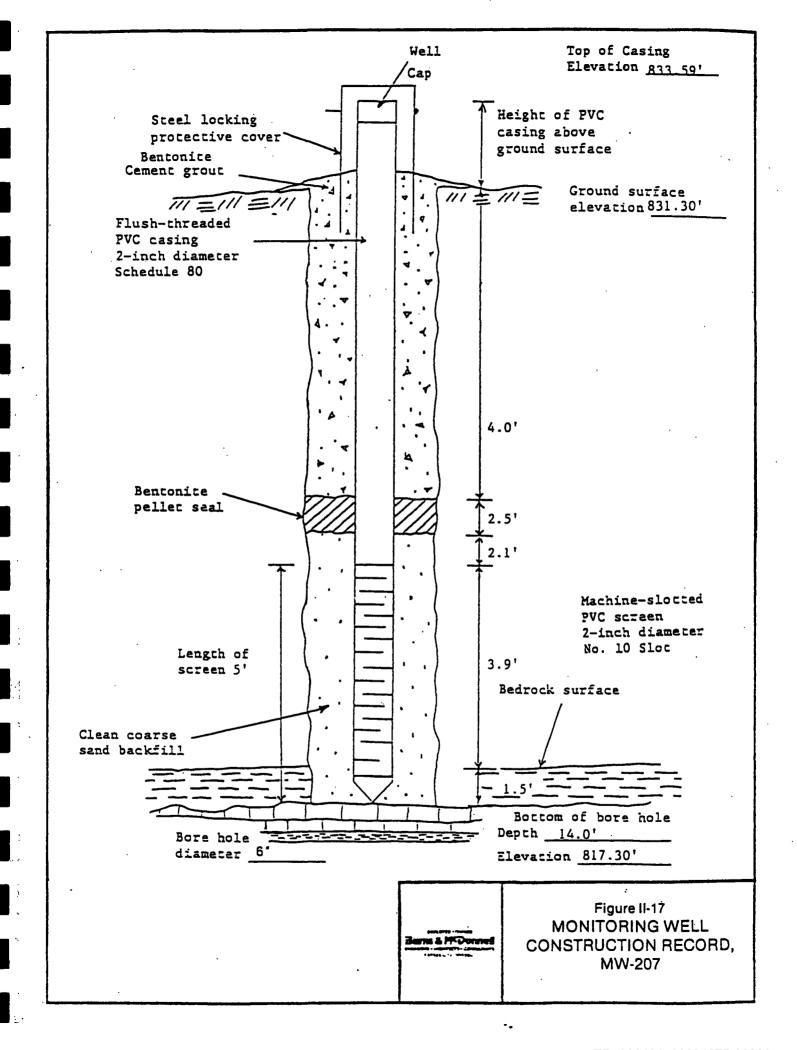
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MONITORING WELL N	o. MW-202	DATE INSTALLED 6/27/87
GROUND SURFACE	109.12	2° PVC SLIP SCREW CAP STEEL PROTECTIVE CASING
Depth Below Ground Surface		PREMIX CONCRETE
		2' DIA. PVC RISER
	6.0'	
	8.5	BENTONITE PELLETS
	10.5	2 DIA. 0.010 SLOTTED PVC SCRE
		WB-40 SAND
	20.5	2 PVC SCREW PLUG
NOT TO SCALE		
	8 1/4"	SANDPACK 12.0'
SCREEN LENGTH		RISER LENGTH 13.5"

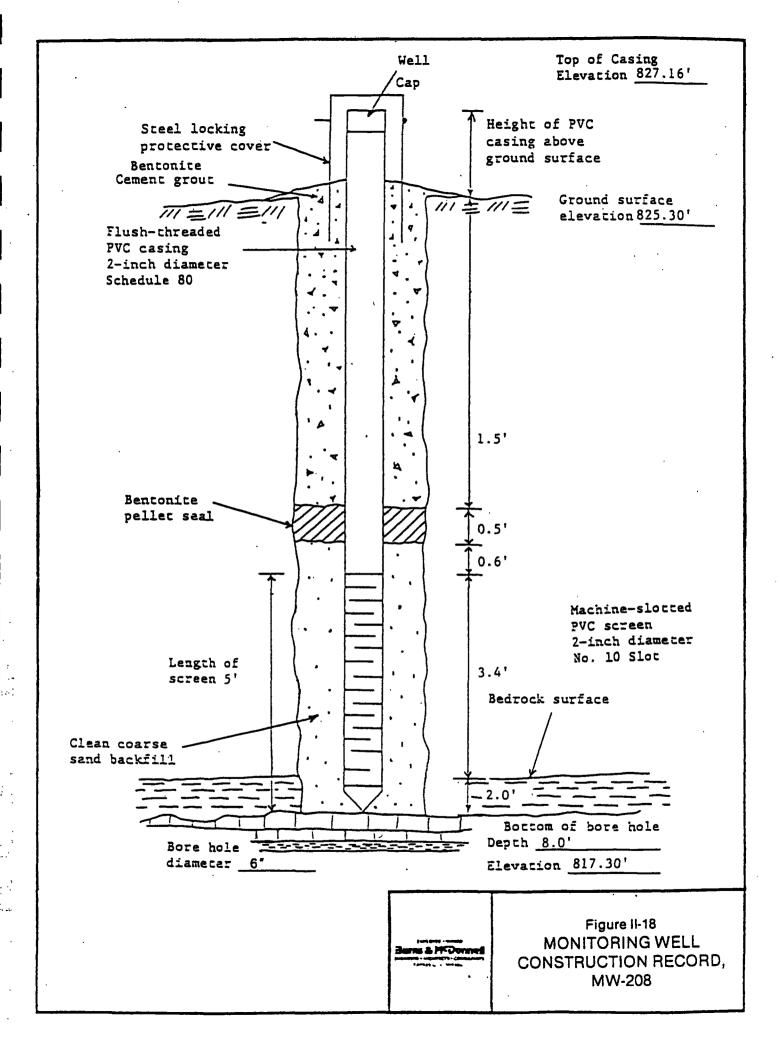
MONITORING WELL N	o. MW-203	_ DATE INSTALLED _	6/25/87
GROUND SURFACE 8	91.07	5	SCREW CAP
Depth Below Ground Surface		PREMIX CON	CRETE
	1.5		
		GROUT	
	4.7	2º DIA. PVC R	ISER
		BENTONITE P	ELLETS
	6.8		
	8.8"		
		WB-40 SAND	SLOTTED PYC SC
			,
			•
		2" PVC SCREW	PLUG
	18.8'		
NOT TO SCALE	•		
BOREHOLE DIAMETER	8 1/4" SA	NDPACK1	5-0.

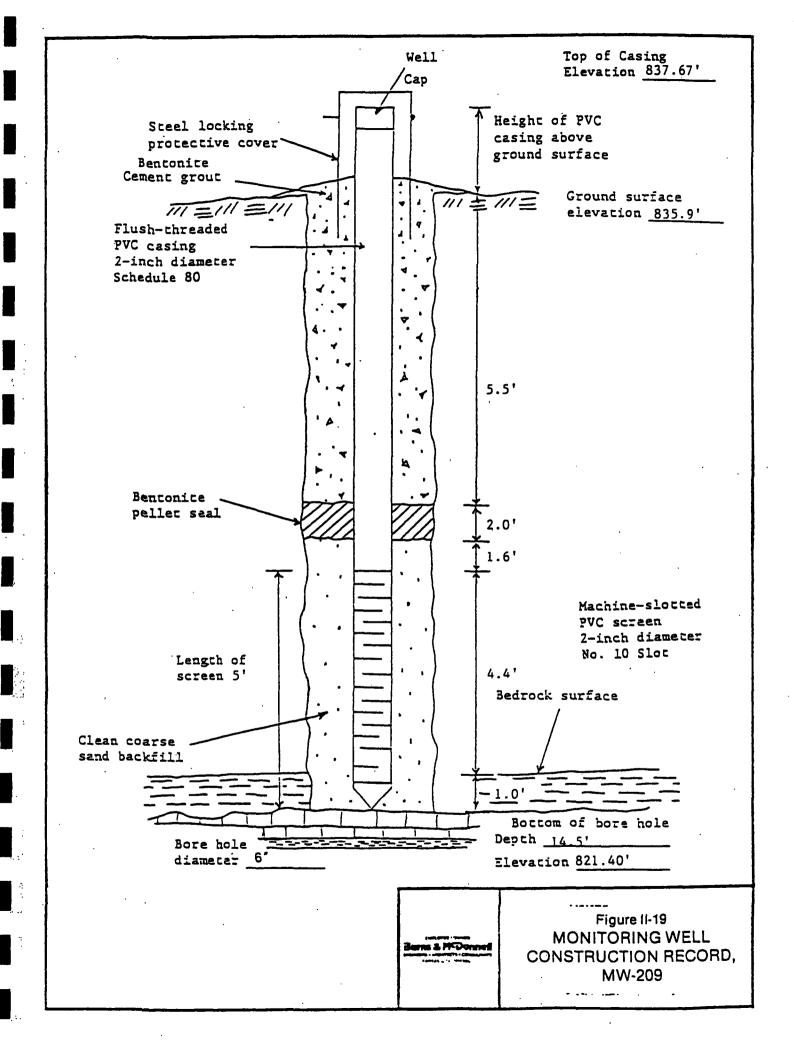


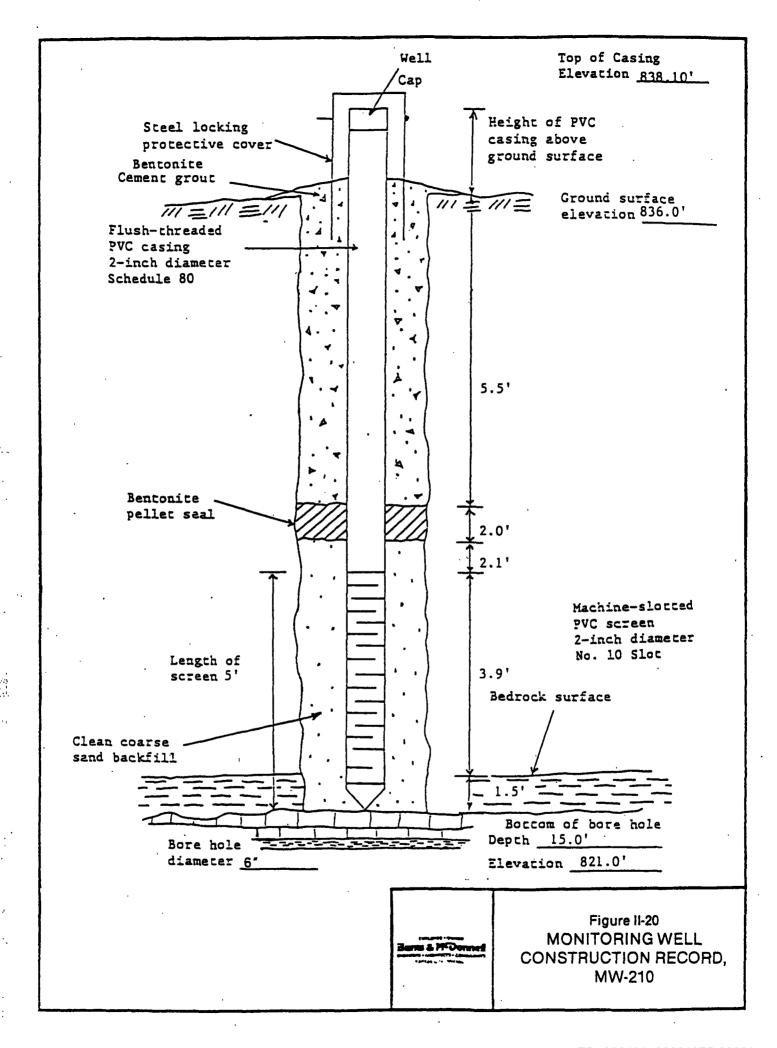


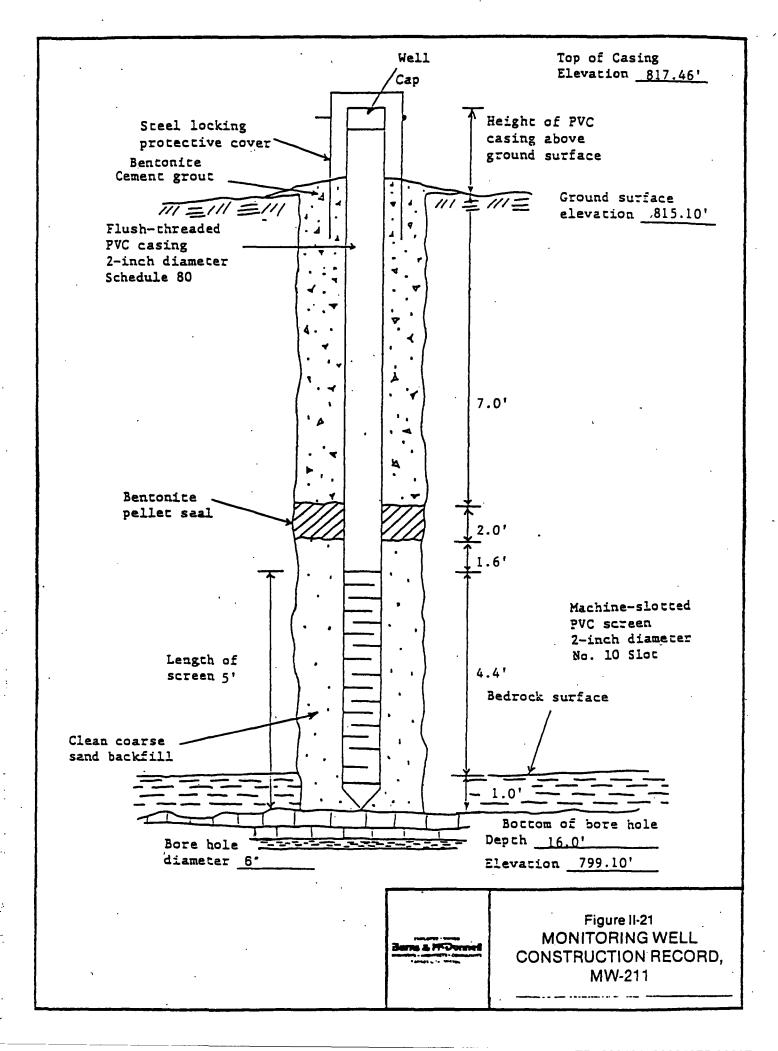






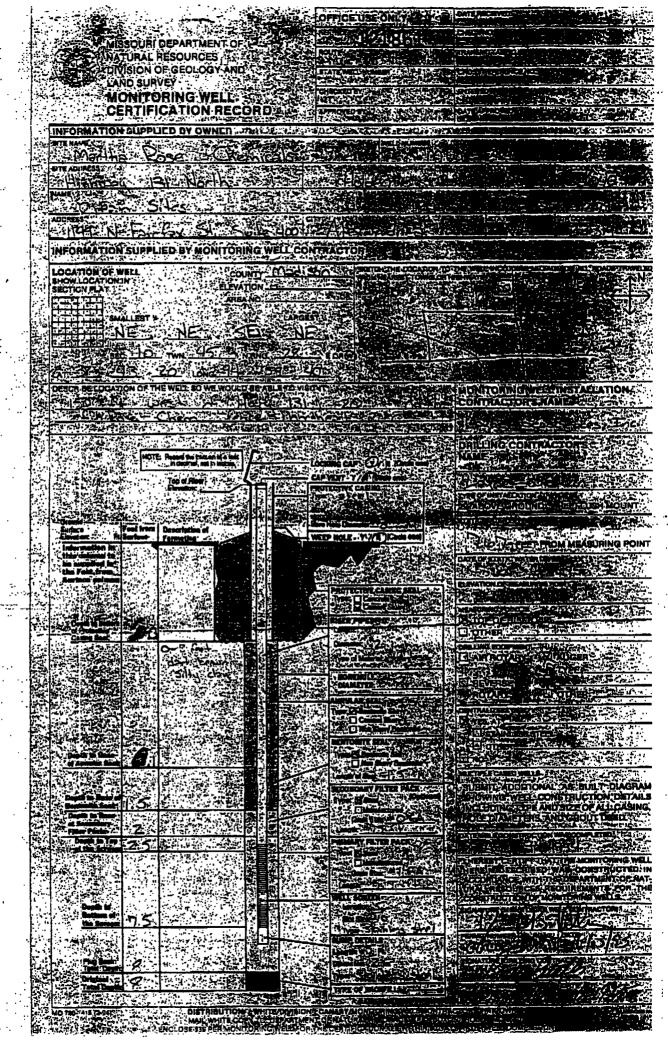






	OFFICE USE ONLY	MICHERECEIVED JUN 2 7 1995			
MISSOURI DEPARTMENT OF	121864	CHECK NO. 4 70 2 5 28 F F			
NATURAL RESOURCES	MOLITE PED MOY	TRANSMITTAL NO 8887178			
DIVISION OF GEOLOGY AND LAND SURVEY	STATE WELL MIMDER 208	CROSS REFERENCE NO.			
MONITORING WELL CERTIFICATION RECORD	CHECKEN IN	ENTERIO Pro 1 Pro 2 Pro 2			
INFORMATION SUPPLIED BY OWNER	Willione BA	DATE APPROVED			
SITE NAME	WELL NUMBER				
Mantha Rose Chemical		- Z\Z			
Heatury 131 North	Holden	mo 64040			
Clean Sites		703 / 739~ 1279			
1199 N. Forces St. Suite 400	Alexandria	STATE ZIP CODE			
INFORMATION SUPPLIED BY MONITORING WELL CON					
LOCATION OF WELL SO-SO-COUNTY DOSING	SKETCH THE LOCATION TO	THE WELL INCLUDING MILEAGE ON ALL ROADS TRAVELED			
SHOW LOCATION IN SECTION PLAT		· \ \ T			
ETT-	 ·	RHOVILLE (
LARGES					
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ESC 10 TWN 45 NANG 28					
DESCRIBE LOCATION OF THE WELL SO WE WOULD BE ABLE TO VISIT		MONITORING WELL INSTALLATION			
	00 feet north	CONTRACTOR'S NAME			
of born		Layne Geo Sciences, Inc.			
NOTE: Record the tradion of a local in decimal, not in resident	ICHING CAP - CO II (Circle one)	DRILLING CONTRACTOR'S NAME			
	NOTECTIVE CALENCE	Layne-Water			
	* Steel	TYPE OF INSTALLATION ABOVE GROUND FLUSH MOUNT			
County County Downson	we Hate Dismote: & inch	STATIC WATER LEVEL			
Information in	KEP HOLE - Y / (Circle ares)	5.71 FEET FROM MEASURING POINT			
this column to be supplied in		DATE OF STATIC WATER LEVEL			
the Feet from	PROTECTIVE CASING SEAL	ELEVATION OF MANAGEMENT POINT			
	Type: Congrete Comment Storry	MEASURING POINT IS			
Depth to bustome of Protocoling	langer 5 ft.	TATOP OF RISER PIPE			
of Protective Costing East .5	Durenter 7 to	DAILLING SQUIPMENT			
dark brown iii	Tree of Manual Significan	D AIR ROTARY S AUGER			
silty clay	SOMETHER 8 P	□ REVERSE			
	Type: Shedone Shriv	CENTRALIZEAS USED			
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Courts to Base	SENTONITE REAL. Type: Silventen its Silvery	☐ OTHER			
- 5 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3	Man State Bostons	MULTIPLE CANED WELLS			
Dupth to Buss of San Bardandro Steel	SECONDARY FILTER PACK	SUBMIT ADDITIONAL AS BUILT DIAGRAM			
	Olympia	SHOWING WELL CONSTRUCTION DETAILS INCLUDING TYPE AND SIZE OF ALL CASING.			
Daylo to Bare of Secondary 2 Place Pauls	Grain Size: #O GA	HOLE DIAMETERS, AND GROUT USED. UNIT WELL CONSTRUCTION WAS COMPLETED			
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	MALES CH.	ACCORDANCE WITH THE DEPARTMENT OF NAT- URAL RESOURCES REQUIREMENTS FOR THE CONSTRUCTION OF MONITORING WELLS.			
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Total Dayste 12.5	TYPE OF MICHTELL	PERMIT MUNICIPAL BAPA DATE - 19-95			
MAIL WHISE COPY TO: DEPARTMENT	ANARYMUNITORING WELL CONTRAC	TOR PERCONNER			

	OFFICE USE ONLY	DATE REPRIVEDE: VIII) JUN 2 1 1995					
MISSOURI DEPARTMENT OF	AEF NO 121859 /	CHECK NO. 4 80 8 580F					
NATURAL RESOURCES DIVISION OF GEOLOGY AND	STATE VET IN NUMBER	TRANSMITTAL MG 8 8 7 1 🗗					
LAND SURVEY	CURCURED BY	CROSS REFERENCE NO					
MONITORING WELL CERTIFICATION RECORD	APPROVED BY	Ph 1 Ph 2 Ph 3 1					
INFORMATION SUPPLIED BY OWNER							
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ere popular	mw-	ETATE ZIP COOF					
Highway 131 North	Holden	MO GIOLE					
Clean Sites		703/739-1279					
1199 N. Fair Pax St. Suite 400	Alexandria	VA 22314					
INFORMATION SUPPLIED BY MONITORING WELL CO							
LOCATION OF WELL John So - BOUNTY COME	SKETCH THE LOCATION TO	THE WELL INCLUDING MILEAGE ON ALL ROADS TRAVELED					
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	• 11-1	Layne Geosciences, Inc.					
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In alexand, and in Inches.	ACKING CAP () II (Circle cont CAP VENT - Y ((Circle cont)						
E-redice	PRINTECTURE CARRIED	TYPE OF INSTALLATION					
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	NEEP NOLE - Y / (Chicle one)	STATIC WATER LEVEL					
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of Beamstory Filter Pract Buggle to You R	PRIMARY PRIMARY	DATE WELL CONSTRUCTION WAS COMPLETED					
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	Gran Sac #1 CA	HEREIN GESCRIBED WAS CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT OF NAT-					
		URAL RESOURCES REQUIREMENTS FOR THE CONSTRUCTION OF MONITORING WELLS.					
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	· ·	Doyth to Boss of Securitary	2		Distriction (Co. CA.)	HOLE DIAMETERS AND	DUNOUT USED
		Filtre Péats C	2.5		MINARY FETER PACE	DATE WILL CONSTRUCTION	ME COMPLETION
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	į			Name of the last o	Lands C	(COOKEANCESHITH) IN UNAL RESOURCES AND COMMISSION OF NO	THING WELLS
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			ENCLOSE 335 PER MONT	TODEPARTHET CONTROL		my recognition and replace.	
Accessive St. 4400, 20	State of the Same Same William	فنستخبضه الأسابورود					

APPENDIX B
SUMMARY OF MONITORING WELL INFORMATION

Table 1 Summary of Monitoring Well Information

WELL NUMBER	TOC ELEVATION (II)	GROUND ELEVATION '(N)	SCREEN INTERVAL (ft below grade)	FORMATION
	itoring Wells			
MW-201	820.6	818.7	8.2 - 13.2	Overburden
MW-202	832.3	829.4	10.5 - 20.5	Overburden
MW-203	814.2	812.4	8.8 - 18.8	Overburden
MW-204	825.7	823.7	3.0 - 5.0	Overburden
MW-205	836.2	834.4	10.0 - 15.0	Overburden
MW-206	832.9	831.1	9.0 - 14.0	Overburden
MW-207	833.7	831.8	9.0 14.0	Overburden
MW-265	827.4	825.4	3.0 - 8.0	Overburden
MW-209	837,7	838.0	9.5 - 14.5	Overburden
MW-210	838.1	835.9	10.0 - 15.0	Overburden
MW-211	817.5	815.5	11.0 - 16.0	Overburden
MW-212*	813.3	811.3	10 .0 - 15.0	Overburden
MW-213*	815.1	813.1	10.0 - 15.0	Overburden
MW-214*	837.6	835.6	10 .0 - 15.0	Overburden
MW-215*	832.4	830.4	10 .0 - 15.0	Overburden
Deep Monito	ring Wells			
MW-101	820.7	616.0	30.2 - 50.2	Pawnee/Labette
MW-102	831.4	829.5	30.2 - 50.2	Pawnee
MW-103	814.6	812.2	40.0 - 50.0	Labette
MW-104	825.8	823.3	41.0 - 46.0	Labette
MW-105	838.1	834.1	45.0 - 50.0	Pawnee
MW-106	833.5	831.3	22.0 - 27.0	Bandera
MW-107	833.5	831.7	43.0 - 48.0	Pawnee .
MW-108	828.3	826.2	42.5 - 47.5	Labette
MW-109	837.6	635.1	36.0 - 41.0	Pawnee
MW-110	838.7	836.0	20.0 - 25.0	Bandera
MW-111	617.1	815.4	33.0 - 38.0	Labete
MW-112°	813.3	811.3	35.0 - 40.0	Labette
MW-113*	815.1	. 813.1	35.0 - 40.0	Labette
MW-114*	837.6	835.6	55.0 - 60.0	Labette
MW-115*	832.4	830.4	55.0 - 60.0	Labotte

^{*} Elevations and depths are approximate

Wells in bold are to be sampled



APPENDIX C
EPA LETTER OF APPROVAL





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PEGION VII 901 NORTH STHEET KANSAS CITY, KANSAS 66101 MOV 0 8 1999

Sheldon A. Zabel Schiff Hardin & Wait 6600 Sears Tower Chicago, Illinois 60606-6473

Dear Mr. Zabel:-

I am writing to approve the Well Abandonment Closure Plan submitted by the Rose Chemical Steering Committee for the Martha C. Rose Superfund site in Holden, Missouri. I do not find any deficiencies in the plan, and it is approved as written. Please inform me as to the planned timing of the closure activities so that I may arrange for appropriate oversight.

I see no reason to add to or to modify the plan as long as the requirements detailed in the state of Missouri's Missouri Well Construction Rules (10CSR 23-4.080) are followed as stated.

If you have any questions, do not hesitate to contact me. I may be reached by telephone at (913) 551-7728 or by e-mail at kinser.stevenespa.gov.

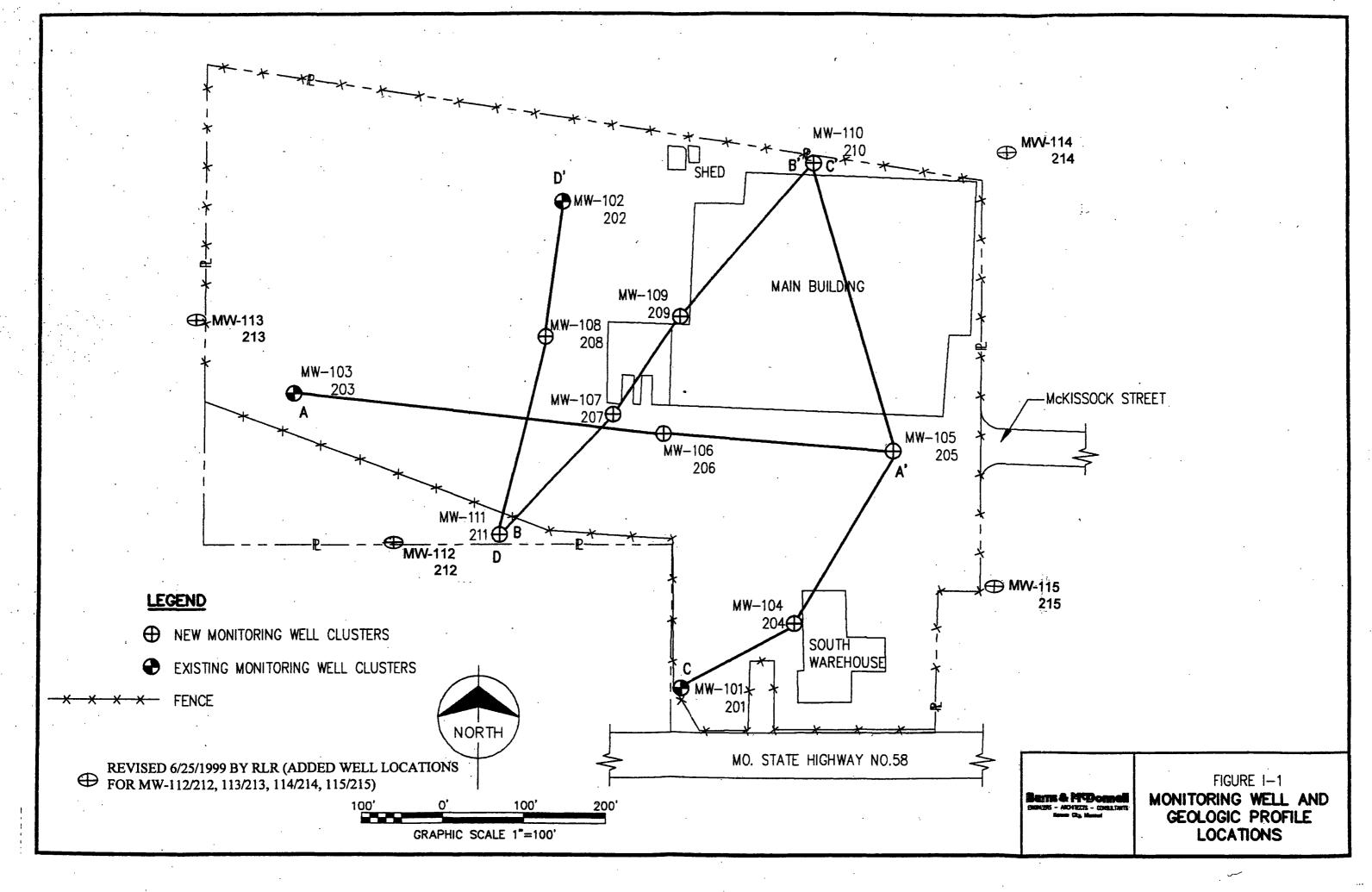
Steven E. Kinsu

Steven E. Kinser R.G. Remedial Project Manager Missouri/Kansas Remedial Branch Superfund Division

cc: Robin Robinson, Robinson Project Management 4155 El Camino Way, Suite A, Palo Alto, California 94306

APPENDIX D

MONITORING WELL LOCATIONS



APPENDIX E VARIANCES GRANTED BY MISSOURI DEPARTMENT OF NATURAL RESOURCES



Mel Camahan, Governor • Stephen M. Mahfood, Director

DEPARTMENT OF NATURAL RESOURCES

— DIVISION OF GEOLOGY AND LAND SURVEY -

P.O. Box 250 111 Fairgrounds Rd. Rolla, MO 65402-0250 (573) 368-2100

FAX (573) 368-2111

VARIANCE: Approved

VARIANCE NUMBER: 1372

VARIANCE: Approved	VARIANCE NUMBER: 1372
WELL OWNE	R INFORMATION
NAME: Clean Sites, Inc.	
ADDRESS: 1199 N. Fairfax St., Suite 400	FAX:
CITY: Alexandria STATE: V	YA ZIP: 22314- TELEPHONE: (703) 731-1279
WELL LOC	ATION
COUNTY: Johnson AT.	0 0 0 LONG. 0 0 0
SW 1/4 SE 1/4 NE 1/4 SEC. 10	TWN. 45 N RNG. 28 W
CONTRACTOR	RINFORMATION
COMPANY NAME: Burns & McDonnell	PERMIT NUMBER: 003466
CONTRACTOR NAME: Jessica Kidwell	
ADDRESS: 9400 Ward Parkway	FAX:
CITY: Kansas City STATE: MC	ZIP: 64114- TELEPHONE: (816) 333-9400
VARIANCE	INFORMATION
nulling out the casing and riser pipe or overdrilling and the casing and riser pipe must be cut off three with an approved grout material and extended one silled with compacted native soil. Well abandonme to the Division. RULE NUMBER MODIFIED: 10 CSR 23-4.08 REASON F	OR VARIANCE
These wells were constructed with stainless steel overdrill or pull the materials out of the well.	and grouted with cement making it difficult to
DATE APPROVED: 12/15/1999	BY: Scott W. Kaden Sett Wash
COPY SENT TO OWNER (DATE): /2-/6-	
COPY SENT TO CONTRACTOR (DATE):	12-1697BY GUIC Casser
	GECYTLED PAPER

STATE OF MISSOURI

Mel Carnahan, Governor • Stephen M. Mahfood, Director

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF GEOLOGY AND LAND SURVEY P.O. Box 250 111 Fairgrounds Rd. Rolla, MO 65402-0250 (573) 368-2100

FAX (573) 368-2111

VARIANCE: Approved		VARIANCE NUMBER: 1385						
WELL OWNER INFORMATION								
NAME: Clean Sites, Inc.	•	·						
ADDRESS: 635 Slatter		FAX:						
CITY: Alexandria	STATE: VA ZIP: 22314	- TELEPHONE: (703) 731-1279						
	WELL LOCATION							
COUNTY: Johnson	LAT. 0 0 0 1	LONG. 0 0 0						
···· 1/4 ··· 1/4 NE 1/4	SEC. 10 TWN. 45 N	RNG. 28 W						
· · · · · · · · · · · · · · · · · · ·	CONTRACTOR INFORMATION	N						
COMPANY NAME: PHILIP	ENVIRONMENTAL PE	RMIT NUMBER: 001080						
CONTRACTOR NAME: DA	NIEL GOTTO							
ADDRESS: P.O. Box 230	NIEL GOTTO	FAX:						
	STATE: IL ZIP: 62236-	FAX: TELEPHONE: (618) 281-7173						
ADDRESS: P.O. Box 230		TELEPHONE: (618) 281-7173						
ADDRESS: P.O. Box 230 CITY: COLUMBIA	STATE: IL ZIP: 62236-	TELEPHONE: (618) 281-7173						
ADDRESS: P.O. Box 230 CITY: COLUMBIA Approval granted to abandon MV from bottom to top of the well w	STATE: IL ZIP: 62236- VARIANCE INFORMATION VARIANCE EXPLANATION W-109 at the former Rose Chemical Sith approved grout material. The we terial extended approximately one for	TELEPHONE: (618) 281-7173 Site by grouting full-length via tremie ell casing and riser must then be cut						
ADDRESS: P.O. Box 230 CITY: COLUMBIA Approval granted to abandon MV from bottom to top of the well worff 3 feet below grade, grout mat	STATE: IL ZIP: 62236- VARIANCE INFORMATION VARIANCE EXPLANATION W-109 at the former Rose Chemical S ith approved grout material. The we terial extended approximately one for surface.	TELEPHONE: (618) 281-7173 Site by grouting full-length via tremie ell casing and riser must then be cut						

MW-109 is near a large tree that prevents equipment from sitting over the well and pulling the casing and riser. The well tested clean in 1996. MW-112 and MW-212 were requested to be part of this variance request, however these wells are addressed under variance 1372.

BY: Evan A. Kifer, R.G. DATE APPROVED: 1/21/2000

COPY SENT TO OWNER (DATE): BY:

COPY SENT TO CONTRACTOR (DATE): | SUPERIOR |

Burns & McDonnell Jessica Kidwell

9400 Ward Parkway Kancac City MO 64114.

ED_002131_00001375-00050

STATE OF MISSOURI

Mel Camahan, Governor • Stephen M, Mahfood, Director

DEPARTMENT OF NATURAL RESOUR

P.O. Box 250 111 Fairgrounds Rd. Rolla, MO 65402

(573) 368-2100

FAX (573) 368-2111

VARIANCE: Approved

VARIANCE NUMBER: 1387

WELL OWNER INFORMATION								
NAME: Clean Sites, Inc. Rose Chemical Facility								
ADDRESS: 635 Slatter Ln. FAX:								
CITY: Alexandria STATE: VA ZIP: 22314- TELEPHONE: (701) 731-1279								
WELL LOCATION								
COUNTY: Johnson LAT. 0 0 0 LONG. 0 0								
1/4 1/4 SEC. 10 TWN. 45 N RNG. 28 W								
CONTRACTOR INFORMATION								
COMPANY NAME: PHILIP ENVIRONMENTAL PERMIT NUMBER: 001080								
CONTRACTOR NAME: DANIEL GOTTO								
ADDRESS: PO BOX 230 FAX:								
CITY: COLUMBIA STATE: IL ZIP: 65236- TELEPHONE: (618) 281-7173								
VARIANCE INFORMATION								
-								

VARIANCE EXPLANATION

Variance granted to abandon monitoring wells MW-105,110,111, without pulling casing. Plastic riser pipe will be drilled out, a 3'x3'x3' hole to be excavated and casing cut off 3 feet below ground surface. The wells will be filled with approved grout material extending from total depth to one foot into excavated hole. The remaining 2' will be filled with compacted native soil. Well abandonment registration forms must then be completed and sent to the Division.

RULE NUMBER MODIFIED: 10 CSR 23-4.080

REASON FOR VARIANCE

Attempts to remove casing have been unsuccesful. Casing is steel and cemented in place. NOTE: Variance requested by MR. DAN GOTTO, 001080PM

The state of the s	
DATE APPROVED: 1/24/2000	BY: Mathew Parker En to Fue Matheu Par
COPY SENT TO OWNER (DATE): 2-4-00	BY: WClassen
COPY SENT TO CONTRACTOR (DATE): 2~4-	20 BY: G1) (Oasser
· c	

APPENDIX F
ABANDONMENT REGISTRATION RECORDS



OFFICE	USE ONLY	ſ	DATE RECEIVED		
REF. NO.	20400)4	7		
C.R. NO.			CHECK NO.		
STATE WELL	NUMBER		TRANSMITTAL NO.		
ENTERED Ph 1	Ph 2	Ph 3	APPROVED BY	ROUTE /	

(573) 368-2	2165													
ABANDONMENT			STATEW	STATE WELL NUMBER			[π	TRANSMITTAL NO.						
	RATION RE	CORD	•	ENTERE Ph 1	D	Ph 2	Ph		APPROVED BY ROUTE / /				E /	
INFORMATION SUPPL	IED BY WELL	OR PU	MP INSTA	LLATION C	ONTE	RACTO	₹	•					-	
OWNER NAME							TELEP						ANCE NU	
Clean Sites, Inc.							70	3-731-1				۱` ۱		
OWNER ADDRESS 635 STate				CITY		_		STATE		ZIP CODE				
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		- 55		Alexa	ingri	<u>a</u>		VA		22314			PPLICABL	ICATION NUMBER
ADDRESS OF WELL SITE (IF DIFFER	•			Holde										
	Martha C. Rose Chem Site 500 West McKissock					IED BY OWN	CD	МО		64040		Щ		DATE
Martha C. Rose Ci	nemicals	1	V101	SIGNATURE (AA1256	X							
SKETCH THE LOCATION TO THE				RAVELED FROM	NEARE			ION OF WEI	L.			ARE		
OR HIGHWAYS						•	LAT	•			•			
1							LAI					ELE		
See Attached							LONG	·	· —	<u> </u>		COL	T ALM	ohnson
Jee Accached									SMALI SW		SE		U NE	ARGEST
							1			×		×		×
			<i>i</i> .				SE	C. 10	<u> —</u> т	WN	45N	- N RNO	g. 28	W E OR W
							1							
DESCRIBE LOCATION OF THE WE	ELL SO WE WOULD	RE VRITE IL	O VISIT THE WEI	IT SHE		DRILLER (t with	8" bi	t to 5	3' - T	remie	Grou	ited
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	··· ·					nativ	/e soi	1.						
			ΔR	ANDONME	NT IN	VFORM/	ATION							
FORMER USE OF WELL	<u></u>			ORIGINAL DRII				DATE	ORIGIN	ALLY DRIL	LED (IF K	NOMEN	STATIC	WATER LEVEL
1	IRRIGATION			Chris He	•	•	llis		-26-8		(,		T.O.C.
DOMESTIC	SOIL BORING			DEPTH OF THE	E WELL	VELL LENGTH OF CASING CASING DIAMETER DRIL					E DIAMETER			
☐ MULTI-FAMILY	MONITORING	,		50.2			33	.1		2"		(IF	KNOWN	0 81."
PUBLIC WATER SUPPLY	MINERAL EXPL	ORATORY'T	EST HOLE	PUMP REMOVI	ED FRO	FROM WELL? WAS THE CASING CUT OFF THREE FEET TO				ET TY	PE OF C	ASING		
☐ HEAT PUMP	☐ OTHER		-	YES		BELOW GROUND SUR			(<u>ua</u> r			_		CONCRÈTE "
GROUT INSTALLATION METHOD	GROUT MATERIA	L USED		□ NO			HOW MA		NS OF WATER MIXED NUMBER OF BAGS			F BAGS	OTHER	
	NEAT CEMENT	BENTON	TE C/B Gr	out						WATER MIXED NUMBER OF BAGS OF GROUT USED 8 CEMENT 40 lbs. Bentonite			Cement	
GRAVITY	☐ HI-EARLY	K) SLUR	RY GRAI	NULAR 0	THER			PC			UNDS OF GROUT			
TREMIE	X TYPE 1	☐ CHIPS	B PELL	ETS _		j		8.5			PE	R BAG		94
TYPE OF FILL MATERIAL USED			AMOUNT OF FI	LL MATERIAL US	SED			CIRCLE O		от от нтч		MATERI	AL	
GRAVEL AG-LIME							CHV	DS./TON		OM THE SL	IRFACE			
SAND OTHER WAS THE WELL ABANDONED BE	CAUSE OF HOOKING	G UP TO			WE	ELL CHLORI		AMOUNT US		THE CHLO	RINATION	DATE	WELLY	IAS PLUGGED
A PUBLIC OR RURAL WATER SUP			YES D	NO	BEF	FORE PLUG				LONS OF C			-	
IF YES, WHAT IS THE NAME (OF THE WATER D	HSTRICT:				YES 🖽	NO -			INDS OF C	,	1 1	-20-0	0
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I HEREBY CERTIFY THAT THE WE	LL HEREIN DESCR	IBED WAS	PLUGGED IN AC	CORDANCE WIT	TH THE	DEPARTME	ENT OF N	ATURAL RES	SOURCE	S REQUIR	EMENTS I	FOR THE	PLUGG	ing of Wells.
SIGNATURE (PRIMARY CONTRAC	TOR)		PERMIT NUM	IBER	SIGNAT	URE (COM	RACTOR			TP	ERMIT NU	JMBER		DATE

DISTRIBUTION: WHITE/DIVISION CANARY/CONTRACTOR PHIL/DOWNER
MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES/P.O. BCX 250, ROLLA, MO 65402
ENCLOSE NO FEE WITH REGISTRATION RECORD WITHIN 60 DAYS AFTER WELL COMPLETION

Kidwell

X (essica ...

1-27-00

001080 P.M.



OFFICE USE ONLY	DATE RECEIVED
REF. NO. 204006	·
C.R. NO.	CHECK NO.
STATE WELL NUMBER	TRANSMITTAL NO.
ENTERED Bh.2 Bh.3	APPROVED BY ROUTE

ABANDO	NMENT	•	SIAII	E METT MO	MDER		IPPRIOR	I PARISMIT IAL INC.				
	ATION RECO	RD	ENTE				APPRO	APPROVED BY		, ROUT	Ē,	
INFORMATION SUPPLI			Ph 1		Ph 2	Ph 3	<u> </u>			/	· /	
OWNER NAME	ED BY WELL OH	PUMP INSTAL	LATION	CONTR	ACIO	TELEPHO	IE			VARIANÇE NI	JMBER	
Clean Sites, Inc.						703-	731-1279			(IF APPLICAB	LE)	
OWNER ADDRESS		-	ату			1 .00	STATE	ZIP CODE				
EXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	ers Lane XXXXXXXXXXXXXXXX		l Ale	xandria			l va	22314		WELL CERTIF	ICATION NUMBER	
ADDRESS OF WELL SITE (IF DIFFERE			CITY	AGIIGI TE		····	STATE	ZIP CODE		(IF APPLICAE	UE)	
Martha C. Rose Ch	em Site 500 Wes	st McKissock	Ho1	den			МО	64040				
SITE NAME		WELL NUMBER	INFORMAT	TON VERIFIE		ER	<u> </u>	1			DATE	
Martha C. Rose Ch	emcials	MW 102	SIGNATUR	SE (WELL ON	WEH)	Χ						
SKETCH THE LOCATION TO THE	WELL INCLUDING MILEA	GE ON ALL ROADS TR	AVELED FR	OM NEARE	ST TOWNS	LOCATION	OF WELL			AREA		
OR HIGHWAYS .						LAT.	•		_*	ELEV		
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						LONG.				COUNTY _		
S	See Attached					i	SMAI SW	LEST v :	SE	, NE	ARGEST	
·	:					SEC.	10 1	WN. 45N	N	RNG. — 2	8W E OR W	
DESCRIBE LOCATION OF THE WE	LL SO WE WOULD BE AS	LE TO VISIT THE WELL	SITE	· 1	DRILLER	NOTES:					: .	
		•					Drilled w	ell out w	ith 8"	Bit to	57.5' -	
					Tre	mie Gro	ut with C	ement Ben	tonite	Grout t	o surface	
					Can	ad with						
Caped with native soil.												
		ABA	NDON	MENT IN	FORM/	ATION						
FORMER USE OF WELL			ORIGINAL D	•	KNOWN)		DATE ORIGI	NALLY DRILLE	O (IF KNO	WN) STATIC	WATER LEVEL	
	☐ IRRIGATION		Hebe1/							76 T.O.C.		
	SOIL BORING	:7	DEPTH OF 3 50		1	LENGTH OF 33.1	CASING	CASING DIAM	METER	(IF KNOW	E DIAMETER	
	☑ MONITORING ☐ MINERAL EXPLORATO										7 04"	
1		ì	PUMP REMI	OVED PHO	M WELL?					OF CASING	-	
LI REAL PUMP	LI OTHER		□ NO			DYES D	NO ON E			STEEL OTHER		
GROUT INSTALLATION METHOD	GROUT MATERIAL USE			•			GALLONS OF		NUME	SER OF BAGS	OF Cement	
GRAVITY		TONITE C/B Gro	_			.ren bad U	- CEMENI ON	DENIONIE	50	<u>lbs. Ber</u>	tonite	
TREMIE		SLURRY GRAN	-	OTHER			8.5			UNDS OF GROUT R BAG 94 Cement) lbs. Bentonite		
	INTYPE1 □	CHIPS PELLE									tonite	
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME		AMOUNT OF FIL	. MATERIAL	. USED		C		EPTH TO TOP O		ATERIAL		
SAND OTHER		_			_	CU. YDS	S/TONS					
WAS THE WELL ABANDONED BEC		TO YES X N			LL CHLORII ORE PLUG		-	R THE CHLORIN		DATE METT A	WAS PLUGGED	
IF YES, WHAT IS THE NAME O								LLONS OF CHL UNDS OF CHLO		40/45	100	
					YES 🗓	NO		SLETS OF CHL		12/15	/99	
REMARKS		····		REA	SON WEL	L WAS PLUG	GED		- 1		· · · · · · · · · · · · · · · · · · ·	
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I HEREBY CERTIFY THAT THE WE	LL HEREIN DESCRIBED	WAS PLUGGED IN ACC	ORDANCE	WITH THE I	DEPARTME	INT OF NATU	RAL RESOURC	ES REQUIREM	ENTS FO	R THE PLUGO	BING OF WELLS.	

SIGNATURE (PRIMARY CONTRACTOR) PERMIT NUMBER DESTRIBUTION: WHITE/DIVISION CANARY/CONTRACTOR PRICOWNER
MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES, PO. BOX 250, ROLLA, MO 65402
ENCLOSE NO FEE WITH REGISTRATION RECORD WITHIN AND DAYS AFTER WELL COURT ETION X Cessica MO 7804603 (7-97)

DATE

1-27-00

PERMIT NUMBER



SIGNATURE (PRIMARY CONTRACTOR)

MISSOURI DEPARTMENT OF **NATURAL RESOURCES DIVISION OF GEOLOGY AND** LAND SURVEY (573) 368-2165

ABANDONMENT

OFFICE USE ONLY	DATE RECEIVED
REF. NO. 204009	7
C.R. NO.	CHECK NO.
STATE WELL NUMBER	TRANSMITTAL NO.
ENTERED	APPROVED BY ROUTE

70/1100												
REGISTE	RATION RECO	ORD	ENTERED Ph 1	ENTERED Ph 1 Ph 2 Ph 3			APPROVED BY			ROUTE /		
INFORMATION SUPPLI	ED BY WELL O	R PUMP INSTAL						·				
OWNER NAME					TELEPHONE				VARIANCE NU			
Clean Sites, Inc.	,				703-7	31-1279		- 1	IF APPLICABL	.E)		
OWNER ADDRESS 635 STat	ters Lane		CITY	,		STATE	ZIP CODE					
KKRRXXXXXXXXXXXXXXX			Alexan	dria		VA	22314		WELL CERTIFICATION NUMBER			
ADDRESS OF WELL SITE (IF DIFFER	ENT THAN ABOVE)		CITY			STATE	ZIP CODE		(IF APPLICABLE)			
Martha C. Rose Ch	em Site 500 W	lest McKissock	Ho1 den									
SITE NAME		WELL NUMBER		TION VERIFIED BY OWNER					DATE			
Martha C. Rose Ch	nemicals	MW103	SIGNATURE (WE	ATURE (WELL OWNER)								
SKETCH THE LOCATION TO THE	WELL INCLUDING MILE	AGE ON ALL ROADS TR	AVELED FROM N	EAREST TOWN	LOCATION	OF WELL			AREA			
OR HIGHWAYS			•		LAT.	•	_•		ELEV			
					-"-			F				
					LONG	<u> </u>			COUNTY			
See Attached					SMAL		c=	_	ARGEST			
					S	<u> </u>	<u> </u>	_ × _ NE	×			
					SEC.	10 T	wn . 45N	N	RNG 2	8W E OR W		
<u> </u>												
DESCRIBE LOCATION OF THE WE	LL SO WE WOULD BE A	BLE TO VISIT THE WELL	. SITE	DRILLER		illed wel	l out wit	th 8" t	oit to 5	3' -		
	······································				***************************************		•	•				
, .	· · · · · · · · · · · · · · · · · ·			Ce	ment Ben	tonite gr	outed (v	ia Tren	nie) to	surface		
				Caped with Native Soil								
		ABA	NDONMEN	T INFORM	ATION	:						
FORMER USE OF WELL			ORIGINAL DRILL	ER (IF KNOWN)		DATE ORIGIN	ALLY DRILLED) (IF KNOW	(N) STATIC	WATER LEVEL		
☐ HAND DUG	☐ IRRIGATION		Hebe1/E1	lis		6-25-8	37		14.7	5 T.O.C.		
DOMESTIC	SOIL BORING		DEPTH OF THE V	VELL.	LENGTH OF	CASING	CASING DIAM	METER		E DIAMETER		
MULTI-FAMILY	MONITORING		51.3		43.1		2"		(IF KNOWN) 8 1 ."		
PUBLIC WATER SUPPLY	MINERAL EXPLORA	TORY TEST HOLE	PUMP REMOVED					TYPE (OF CASING			
☐ HEAT PUMP			YES			•				PLASTIC CONCRETE		
GROUT INSTALLATION METHOD	GROUT MATERIAL US	<u> </u>	□ NO		YES				STEEL OTHER			
GROOT INSTREMENTOR		NTONITE C/B Gro	ıı +							UTUSED 8 Cement LBS. Bentonite		
GRAVITY		SLURRY GRAN		FR	0 5	·			INDS OF GROUT			
TREMIE		CHIPS PELLE		1 0.0					R BAG 94			
TYPE OF FILL MATERIAL USED	1		L MATERIAL USE	<u> </u>	CIR	CLE ONE DE	РТН ТО ТОР О	YE FILL MA		· · · · · · · · · · · · · · · · · · ·		
GRAVEL GAG-LIME						FR	OM THE SURF					
SAND OTHER	:		•		CU. YDS.			<u> </u>				
WAS THE WELL ABANDONED BEG A PUBLIC OR RURAL WATER SUP		YES ☑ N	0	WELL CHLORI BEFORE PLUG			THE CHLORIN		DATE WELL W	MAS PLUGGED		
IF YES, WHAT IS THE NAME (<u>-</u>	1.		-	LONS OF CHLO					
				□ YES □	NO		LETS OF CHLC		1-18-00			
REMARKS			· · · · · · · · · · · · · · · · · · ·	REASON WEL	L WAS PLUGG	iED						
		5 - 2 - 2 - 2			No. 10	nger need						
				 -	110 10	nger need	160.					
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				<u> </u>						<u></u> _		
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I HEREBY CERTIFY THAT THE WE	LL HEREIN DESCRIBED	WAS PLUGGED IN ACC	CORDANCE WITH	THE DEPARTME	ENT OF NATUR	VAL RESOURCE	ES REQUIREM!	ENTS FOR	THE PLUGG	ING OF WELLS.		

DISTRIBUTION: WHITE/DIVISION CANARY/CONTRACTOR PINKOWNER
MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES PO. BOX 250, ROLLA, MO 65402
ENCLOSE NO FEE WITH DEGISTRATION DECORD WITHIN SO DAYS AFTED WELL COURS FROM MO 780,0803 (7-87)

PERMIT NUMBER

DATE

1-27-00

PERMIT NUMBER



ABANDONMENT

OFFICE USE ONLY	DATE RECEIVED
REF. NO. 204010	1
C.R. NO.	CHECK NO.
STATE WELL NUMBER	TRANSMITTAL NO.
ENTERED	APPROVED BY ROUTE

	KAIION HE	.COND		Ph 1	Ph 2	Ph 3				/	
INFORMATION SUPPLI	ED BY WELL	OR PUN	AP INSTAL	LATION CO	NTRACTOR	1			_		
OWNER NAME						TELEPHO	4E			VARIANCE NU	
Clean Sites, Inc.						703-	731-1279			(IF AFFLICAD	CE)
OWNER ADDRESS 635 S1	aters Lane			СПҮ			STATE	ZIP CODE			
EXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	(KXXXXXXXXKR)	XXXXXX		Alexand	iria		VA	22314		WELL CERTIF	ICATION NUMBER
ADDRESS OF WELL SITE (IF DIFFERI	ENT THAN ABOVE)			CITY			STATE	ZIP CODE		[·
Martha C. Rose Ch	em Site 50			Holden	 		MO	64040		l	
SITE NAME			IUMBER	SIGNATURE (WE	ERIFIED BY OWN						DATE
Martha C. Rose Ch		MW1				<u> </u>					
SKETCH THE LOCATION TO THE V	WELL INCLUDING I	MILEAGE ON	ALL ROADS TR	AVELED FROM N	EAREST TOWNS	LOCATIO	N OF WELL			AREA	
On nightwars						LAT.	•	· _	 *.	ELEV	
											lobreon
						LONG				COUNTY	
See	Attached				SM/ S	ALLEST W	SE	N/C	ARGEST		
								^			^
				•		SEC.	10	TWN. 451	<u> </u>	N RNG. 28	E OR W
					3	<u> </u>					
DESCRIBE LOCATION OF THE WE	ILL SO WE WOULD	BE ABLE TO	VISIT THE WELL	. SITE	DRILLER	iores: D	rilled w	ell out w	vith 6"	bit to 5	io' -
		-			T .			*** C			
					Iremi	e grout	ed hole	with Ceme	ent bent	conite gr	out to
					surfa	ce. Re	moved 4"	surface	casing	- caped	with native
			ABA	NDONMEN	T INFORMA	TION					soil.
FORMER USE OF WELL				ORIGINAL DRILLE			DATE ORK	GINALLY DRILL	LED RE KING	MAN STATIC	WATER LEVEL
	☐ IRRIGATION	,	`								3.26 T.O.C.
	SOIL BORING	، د. نئی ہے		DEPTH OF THE W	WELL LENGTH OF CASING CASING DIAMETER					DRILL HOL	E DIAMETER
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III I PURIIC WATER SUPPLY	PUMP HEMINEU										
	OTHER										
☐ HEAT PUMP	OTHER	•				BELOW GR	DUND SURFA NO	CE?	[X] p	TEEL 0	CONCRETE
	GROUT MATERIA	N. USED		Olyes □ NO		BELOW GR	DUND SURFA NO GALLONS OI	CE? F WATER MIXE	[X] p	TEEL 0	CONCRETE
☐ HEAT PUMP	GROUT MATERIA NEAT CEMENT	L USED BENTONITE		Dives □ NO C/B Grout		BELOW GR	DUND SURFA NO GALLONS OI	CE?	IXI F IXI S D NUM GRID 20	PLASTIC DESTRUCTION OF BAGS OF USED 4 lbs. Bent	CONCRETE OTHER COF Cement conite
GROUT INSTALLATION METHOD	GROUT MATERIA NEAT CEMENT HI-EARLY	L USED BENTONITE	E GRANI	Dives □ NO C/B Grout ULAR □ OTHE		BELOW GRI YES B HOW MANY PER BAG O	DUND SURFA NO GALLONS OI	CE? F WATER MIXE	D NUM GRO 20 POUI	BER OF BAGS UT USED 4 1 bs. Bent	CONCRETE OTHER COF Cement conite
GROUT INSTALLATION METHOD GRAVITY Themie	GROUT MATERIA NEAT CEMENT	BENTONITE	E Y [] GRANI	DIVES NO C/B Grout ULAR OTHE	:R	BELOW GRI VES B HOW MANY PER BAG O	DUND SURFA NO GALLONS OF F CEMENT OF 8.5	CE? F WATER MIXE R BENTONITE?	D NUM GRO 20 POUI PER	PLASTIC CONTENT OF BAGS UT USED 4 UT	CONCRETE OTHER COF Cement conite
GROUT INSTALLATION METHOD GRAVITY THEMIE TYPE OF FILL MATERIAL USED	GROUT MATERIA NEAT CEMENT HI-EARLY	BENTONITE	E Y [] GRANI	Dives □ NO C/B Grout ULAR □ OTHE	:R	BELOW GRI VES B HOW MANY PER BAG O	OUND SURFA NO GALLONS OF F CEMENT OF 8.5	CE? F WATER MIXE	D NUM GRO 20 POUI PER	PLASTIC CONTENT OF BAGS UT USED 4 UT	CONCRETE OTHER COF Cement conite
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X Oessica X.

MISSOURI DEPARTMENT OF NATURAL RESOURCES DIVISION OF GEOLOGY AND LAND SURVEY (573) 368-2165

ABANDONMENT REGISTRATION RECORD

OFFICE USE ONLY	DATE RECEIVED
REF. NO. 204011	
LR. NO.	CHECK NO.
STATE WELL NUMBER	TRANSMITTAL NO.
INTERED	APPROVED BY ROUTE

INFORMATION SUPPLIE	D BY WELL O	R PUM	P INSTAL	LATION CO	ONTF	RACTOR							
OWNER NAME							TELEPH	IONE				/ARIANCE NO IF APPLICAB	
Clean Sites, Inc.							703	3-731-	1279			1387	-
	ers Lane			СПУ				STAT	TE .	ZIP CODE		1307	
HEXXENXXIIX EDIN	(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	88		Alexa	ndri	a	•	V.	A	22314		WELL CERTIF IF APPLICAB	TICATION NUMBER
ADDRESS OF WELL SITE (IF DIFFEREN	-			CITY				STAT	_	ZIP CODE	<u> </u>		
Martha C. Rose Che	m Site 500 W	lest Mo	Kissock	Ho1 de								_	
SITE NAME		WELL NU		INFORMATION SIGNATURE (V						,			DATE
Martha C. Rose Che	emicals	MW10)5	SIGNALUME (4	TELL OF	MNED)	X						
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OR HIGHWAYS .	•						LAT	•			• .		Ì
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See	Attached						LONG		<u> </u>	<u> </u>	_	COUNTY _	<u>Johnson</u>
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☐ HEAT PUMP ☐	OTHER			YES		[BELOW G		SURFACE	?			CONCRETE
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K I TREMIE		CHIPS						0.5			PER BAG 94		
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		- g. c		9. 04.14 34.	- 100	,						<u> </u>	
dug down on outside s	teel casing &	cut o	ff 3 feet	B.G.S.									
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Caped hole with soil	removed earlie	er & c	ompacted	via	\perp								
driving over it with	backhoe.												
					+								
-													
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SIGNATURE (PRIMARY CONTRACT	OR)		PERMIT NUMB	SER I	SIGNAT	URE (CO)R	у/Астор	$\overline{}$		PERMI	T NUMBI	ER	DATE

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1-27-00



ABANDONMENT

OFFICE USE ONLY	DATE RECEIVED
REF. NO 204012	7
C.R. NO.	CHECK NO.
STATE WELL NUMBER	TRANSMITTAL NO.
ENTERED Ph 1 Ph 2 Ph 3	APPROVED BY ROUTE

INCORRESTIONS SUPPLIED BY WELL OR PUMP INSTALLATION CONTRACTOR CICEN STEES, Inc. CICEN	REGISTRATION RECORD					TERED 1	Ph 2	Ph		ROVED BY			ROUTE	,
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ABANDONMENT INFORMATION See Attached See A	Clean Sites, Inc.							703				\"`~	·	
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Marcha C. Rose Chain Site 500 West McKissack Marcha C. Rose Chemicals WILL DAMERS Marcha C. Rose Chemicals WILL DAMERS WILL DAMERS SECTION TO THE WELL ROLLIDING MILEAGE ON ALL ROADS TRAVELED FROM NEAREST TOWNS SECTION TO THE WELL SO WE WOULD BE ASE TO VISIT THE WELL SITE DESCRIPTION TO THE WELL SO WE WOULD BE ASE TO VISIT THE WELL SITE DESCRIPTION TO THE WELL SO WE WOULD BE ASE TO VISIT THE WELL SITE DESCRIPTION TO THE WELL SO WE WOULD BE ASE TO VISIT THE WELL SITE DESCRIPTION TO THE WELL SO WE WOULD BE ASE TO VISIT THE WELL SITE DESCRIPTION TO THE WELL SO WE WOULD BE ASE TO VISIT THE WELL SITE DESCRIPTION TO THE WELL SO WE WOULD BE ASE TO VISIT THE WELL SITE DESCRIPTION TO THE WELL SO WE WOULD BE ASE TO VISIT THE WELL SITE DESCRIPTION TO THE WELL SO WE WOULD BE ASE TO VISIT THE WELL SITE DESCRIPTION TO THE WELL SO WE WOULD BE ASE TO VISIT THE WELL SITE DESCRIPTION TO THE WELL SO WE WOULD BE ASE TO VISIT THE WELL SITE DESCRIPTION TO THE WELL SO WE WOULD BE ASE TO VISIT THE WELL SITE DESCRIPTION TO THE WELL SO WE WOULD BE ASE TO VISIT THE WELL SITE DESCRIPTION TO THE WELL SO WE WOULD BE ASE TO VISIT THE WELL SITE DESCRIPTION TO THE WELL SO WE WOULD BE ASE TO VISIT THE WELL SITE DESCRIPTION TO THE WELL SO WE WOULD BE ASE TO VISIT THE WELL SITE DESCRIPTION TO THE WELL SO WE WOULD BE ASE TO VISIT THE WELL SITE DESCRIPTION TO THE WELL SO WE WOULD BE ASE TO VISIT THE WELL SITE DESCRIPTION TO THE WELL SO WE WOULD BE ASE TO VISIT THE WELL SO WE WOULD BE ASSETTED TO THE WELL SO WE ASSETTED TO			888			exandr	ia							
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NO 786 (803 (7-97) DISTRIBUTION: WHITE/DIVISION CARARY/CONTRACTOR PROLOMNER			-10			- 1		012		1		. –	ļ	
MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES, P.O. BOX 250, ROLLA, MO 65402	MO 786-1603 (7-97)	· FUOUL		DISTRUBUTION	: WHITE/DIV	ISION CAR	ARY/CONTRA	CTOP PIN	WOWNER		00100	UPM	1	1-27-00

DISTRIBUTION: WHITE/DIVISION CARAFT/CONTRACTOR PROCONNER
MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES, P.O. BOX 250, ROLLA, MO 65402
ENCLOSE NO FEE WITH REGISTRATION RECORD WITHIN AND DAYS AFFER WELL COMPLETION



OFFICE USE ONLY	DATE RECEIVED
REF. NO. 204013	
C.R. NO.	CHECK NO.
STATE WELL NUMBER	TRANSMITTAL NO.
ENTERED Ph 1 Ph 2 Ph	APPROVED BY ROUTE

REGISTE	RATION RE	CORE	·)		ENTERED			APP	APPROVED BY			ROUTE		
			·	Ph 1	00117	Ph 2	Ph 3			ــــــــــــــــــــــــــــــــــــــ	/			
INFORMATION SUPPL	IED BA MET	L OR PU	JMP INSTAI	LLATION	CONI	HACTOR	TELEPHO	E			I VA	RIANCE NU	IMBER	
Clean Sites, Inc.							1	~ 731 - 127	9			APPLICAB		
CHAIRD 4000500	aters Lane			СПУ			1	STATE	ZIP COD	E	\dashv			
TXDOOKXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		XXX		Alex	xandri	a		VA.		22314		LL CERTIF	CATION NUMBER.	
ADDRESS OF WELL SITE (IF DIFFER				СПҮ				STATE	ZIP COD		—	APPLICABI	LE)	
Martha C. Rose Chem	Site 500	West N	AcKi ssock	Hold	den			MO	MO 64040					
SITE NAME			LNUMBER		KTION VERIFIED BY OWNER RE (WELL OWNER)							DATE		
Martha C. Rose Chem			4W107				X	======						
SKETCH THE LOCATION TO THE '	WELL INCLUDING	MILEAGE C	N ALL ROADS T	RAVELED FRO	OM NEAF	NEAREST TOWNS LOCATION OF WELL					AF	REA		
							LAT	• _	 ′ _		EL	EV		
							LONG.	•			-	3114757	Johnson	
See	See Attached							<u> </u>	AALLEST		- CC		ARGEST	
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· · ·		•					SEC.	10	_ TWN	7311	−N R	NG. <u>28</u>	E OR W	
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··· <u>·</u>			•			to sur	face wi	th ceme	nt Bentoi	nite gi	rout	to sur	face.	
		Caned	with na	tive so	il.									
	······································			ANDONIN				30	• • •		-		*********	
			Ab	ANDONN			ALION	7				· · · · · ·		
FORMER USE OF WELL	IRRIGATION			ORIGINAL D	HILLER ((IF KNOWN)		DATE OF	IGINALLY DR	ILLED (IF I	KNOWN		WATER LEVEL	
	SOIL BORING		AMPLE OF STREET	DEPTH OF 1	rue wei	10.5	LENGTH OF	CASING	CASING	DIAMETE	<u>в Г</u> г		E DIAMETER	
	MONITORING			48'	IIIL WEL	- "						IF KNOWN		
	MINERAL EXP	ORATORY	TEST HÖLE	PUMP REM	OVED FR	OM WELL?			OFF THREE F	EET T	YPE OF	CASING		
	OTHER			™ YES		<u>-</u>	BELOW GROUND SURFACE?							
				□ NO		HOW MANY GALLONS OF WATER MIXED NUMBER OF BAGS					OTHER			
GROUT INSTALLATION METHOD	GROUT MATERIA	BENTONI	re C/B Gr	rout					OF WATER MIX OR BENTONIT	E? G	indut u	OF BAGS ISEQ 2	cement	
☐ GRAVITY	HI-EARLY	DEN SWA	16	_	OTHER							OUT USED 2 cement 1bs. Bentonite		
TREMIE	TYPE 1	CHIP					;	3.5			ER BAG		-	
TYPE OF FILL MATERIAL USED	1		AMOUNT OF FI	LL MATERIAL	USED		C	RCLE ONE	DEPTH TO T	OP OF FIL	L MATE			
GRAVEL AG-LIME				•			011170		FROM THE	BURFACE				
SAND OTHER	ALIOE OF LIGORA	0.410.370	L		1,4	FIL OUR COR	CU. YDS							
WAS THE WELL ABANDONED BEG A PUBLIC OR RURAL WATER SUP			□ YES 🖄 i	NO		EFORE PLUG		JUNT USED	FOR THE CHL			LE METT A	AS PLUGGED	
IF YES, WHAT IS THE NAME (OF THE WATER	DISTRICT:			\Box _r	YES X	_ _		POUNDS OF		.	1 - 01 - 0	^	
						J TES LAJ	<u> </u>		TABLETS OF	CHLORINE		1-21-0	U 	
REMARKS					R	EASON WELL	L WAS PLUG	GED						
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SIGNATURE (PRIMARY CONTRAC			PERMIT NUM			ETURE (CONT	MACTOR 9	(((((((((((((PERMIT N	iumber 180 Pi		DATE 1-27-00	
MO 789-1803 (7-97)	. Kidu	xel	0034	OB WIV		Bricon		MAIS S				•	1 27 00	
		MAIL WHI	DISTRIBUTION: TE COPY TO: DEP	ARTMENT OF N	VATURAL	RESOURCES.	P.O. BOX 250	ROLLA, MO	65402					

DOS466 WM X DISTRIBUTION: WHITE/DIVISION CONTRACTOR PRIVOWNER
MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES, P.C. BOX 250, ROLLA, MO 65402
ENCLOSE NO FEE WITH REGISTRATION RECORD WITHIN 60 DAYS AFTER WELL COMPLETION



ABANDONMENT

OFFICE USE ONLY	DATE RECEIVED
REF. NO. 204014	T
C.R. NO.	CHECK NO.
STATE WELL NUMBER	TRANSMITTAL NO.
ENTERED Ph 2 Ph 3	APPROVED BY ROUTE

ABAILBUIL			L									
REGISTRA	TION RECO	ORD		ENTERED Ph 2 Ph 3			APPROVI	APPROVED BY		/ R	OUTE /	
INFORMATION SUPPLIES	D BY WELL OF	R PUMP INSTAL		CONT	RACTO	}			<u> </u>			
OWNER NAME		,				TELEPHONE					E NUMBER	
Clean Sites, Inc.		•				703-73	31-1279			(IF APPL	(CABLE)	
OWNER ADDRESS 635 Slater	s Lane	· · · · · · · · · · · · · · · · · · ·	СПУ			<u> </u>	STATE	ZIP CODE		1		
KKASKXKANAKANXXKXXXXXXXXXXXXXXXXXXXXXXXX			Alex	andri	dria VA :			2231	14	ERTIFICATION NUMBER		
ADDRESS OF WELL SITE (IF DIFFERENT	THAN ABOVE)		CITY		STATE ZIP C			ZIP CODE	(IF APPLICABLE)			
Martha C. Rose Chem S	ite 500 West	t McKissock	Ho1d	en			MO	6404	+0			
SITE NAME		WELL NUMBER			VERIFIED BY OWNER					DATE		
Martha C. Rose Chemic	als	MW1 08	SIGNATURE	E (MELL (JAMER)	X						
	LL INCLUDING MILE	IGE ON ALL ROADS T	RAVELED FRO	M NEAR	AREST TOWNS LOCATION OF WELL					AREA.		
OR HIGHWAYS						LAT.	•		-			
										ELEV_		
l								<u> </u>		COUNT	Y Johnson	
							SMAL				LARGEST	
See A	ttached	•					SW	×	SE	× _	_NE x	
·						SEC.	10 -	WN	5N .	RNG.	28W E OR W	
						3E0.		WN		r HNG.	E OH W	
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											nite Grout via	
									· · · · · · · · · · · · · · · · · · ·			
			Tremie to surface. Caped with native soil.									
	•	AB				AHON						
FORMER USE OF WELL.			ORIGINAL D	RILLER ((IF KNOWN)	•	DATE ORIGIN	ALLY DRIL	LED (IF KINC	NAN) S	TATIC WATER LEVEL	
	IRRIGATION	· And in the second									23.39 T.O.C.	
	SOIL BORING	:	DEPTH OF T	HE WELL	L	LENGTH OF CASING CASING DIAMETER			DRILL	HOLE DIAMETER OWN) 6"/4"		
	MONITORING	5. 6	47.51			1						
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GROUT INSTALLATION METHOD G	ROUT MATERIAL US				HOW MANY GALLONS OF WATER				MIXED NUMBER OF BAGS OF			
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© TREMIE	HI-EARLY X	SLURRY GRA	NULAR 🗆	OTHER	ER 8.5				POUNDS OF GROUT			
	3 TYPE 1 □	CHIPS PELL	ETS							PER BAG 94		
TYPE OF FILL MATERIAL USED		AMOUNT OF FI	LL MATERIAL	USED		CIF	CLE ONE DE		-	ATERIAL		
GRAVEL AG-LIME		i	•			CU. YDS.		OM THE SU	JRFACE			
WAS THE WELL ABANDONED BECAU	ISE OF HOOKING LIP	<u> </u>	•	Iw	EL CHLORE		UNT USED FOR	THE CHI C	RINATION	DATE W	ELL WAS PLUGGED	
A PUBLIC OR RURAL WATER SUPPLY		YES 🔯	VO	1	EFORE PLUG			LONS OF		MAIL WA		
IF YES, WHAT IS THE NAME OF	THE WATER DISTI	RICT:			YES 🗷	<u>"</u> —	POL	INDS OF C	HLORINE	1-1	8-00	
<u> </u>						<u>" -</u>	TAB	LETS OF C	HLORINE	· ' '		
REMARKS.				RI	EASON WEL	L WAS PLUGG	E D					
							No long	er need	ded			
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	<u></u>			-								
												
I HEREBY CERTIFY THAT THE WELL I	HEREIN DESCRIBED	WAS PLUGGED IN AC	CORDANCE Y	WITH THE	E DEPARTME	NT OF NATUR	AL RESOURCE	S REQUIR	EMENTS FO	R THE PL	UGGING OF WELLS.	
SIGNATURE (PRIMARY CONTRACTO	A)	PERMIT NUM	BER	SIGNA	TURE (CONT	RAGTON)		F	ERMIT NUM	BER	DATE	

DISTRIBUTION: WHITE/DIVISION CANARY/CONTRACTO/ PHIKOWNER MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES, P.O. BOX 250, ROLLA, MO 65402 ENCLOSE NO FEE WITH REGISTRATION RECORD WITHIN 60 DAYS AFTER WELL COMPLETION

001080 PM

1-27-00



OFFICE USE ONLY	DATE RECEIVED					
REF. NO. 204016	1					
C.R. NO.	CHECK NO.					
STATE WELL NUMBER	TRANSMITTAL NO.					
ENTERED Ph 2 Ph 3	APPROVED BY ROUTE					

ABANDONMENT				STATE W	ELL NUMBER	TRA	TRANSMITTAL NO.					
	ATION REC	ORD		ENTEREI Ph 1	D Ph 2 Ph 3			APPROVED BY			ROUTE /	
INFORMATION SUPPLI	ED BY WELL C	R PU	AP INSTAL				l .			'	<u>-</u>	
OWNER NAME						TELEPH		" "		VARIANCE (IF APPLICA		
Clean Sites, Inc.						703	-731-127				1385	
	ers Lane			СПҮ			STATE	ZIP COI				
10199XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				Alexa	ndria		VA	ZIP CO	314	(IF APPLICA	TIFICATION NUMBER	
ADDRESS OF WELL SITE (IF DIFFERE							1					
Martha C. Rose Chem	Site 500 Mc		WABER	Ho I de	VERIFIED BY OWN	ER	МО	64	040	_1	DATE	
Martha C. Rose Chem	icals	1	109	SIGNATURE (V	ELL CHARGO	X						
SKETCH THE LOCATION TO THE V	VELL INCLUDING MILL	EAGE ON	ALL PIOADS TE	AVELED FROM			ON OF WELL	_		AREA_		
OR HIGHWAYS						LAT		·		ELEV		
											1-1	
See Attached						LONG.					Johnson	
								MALLEST SW	¥ SE		LARGEST IE «	
							_					
						SE	C. 10	TWN	45N	_ N RNG2	E OR W	
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		٠,	·:		set up	on ho	le to dr	ill PVC	out & c	casing wor	't pull out	
	 	b -2./			tremied cement Bentonite grout from bottom (see remarks							
							ent bento	nite gro	ut iron	n Doctom (see remarks	
-,	·		AB		NT INFORM		• •		·		· 	
FORMER USE OF WELL	:,. 		• . •	ORIGINAL DRIL	LER (IF KNOWN)		. DATE OF	RIGINALLY DE	RILLED (IF I		TIC WATER LEVEL	
] irrigation] soil boring		egicanos sar si at			151071	1	Leseny			.12 TOC	
<u> </u>	_ SOIL BOHING MONITORING	· · · · · · · · · · · · · · · · · · ·	,	DEPTH OF THE	WELL- 17		OF CASING	1	G DIAMETE	R DRILL H	OLE DIAMETER" (
	MINERAL EXPLOR	ATORY TE	ČT LĪOLE		D FROM WELL?		CASING CUT	OFF TURES		VDE CE CASIN	6!!/4" 31 100 0000 1900	
•	OTHER			Ø YE8			ROUND SURF				CONCRETE	
-				□ NO		YES		•		STEEL [OTHER	
GROUT INSTALLATION METHOD	GROUT MATERIAL U	SED ENTONITI	. C/B Gr	out			VY GALLONS (OF CEMENT)		IXED N TE? G	UMBER OF BAC ROUT USED 1 To be Ber	as of Cement	
GRAVITY] SLURR			JED .				_	OUNDS OF GR		
I TREMIE		3 CHIPS			TEN		8.5			ER BAG 94		
TYPE OF FILL MATERIAL USED				L MATERIAL US	ED		CIRCLE ONE	DEPTH TO	TOP OF FIL			
GRAVEL AG-LIME				•				FROM THE	SURFACE			
SAND OTHER	AUGE OF LIGOVING L				THE LOW CO.		SNOT.SC					
WAS THE WELL ABANDONED BEC A PUBLIC OR RURAL WATER SUPP			YES 🔼		BEFORE PLUC		MOUNT USED	. GALLONS O		1	. WAS PLUGGED	
IF YES, WHAT IS THE NAME O	FTHE WATER DIS	TRICT:			□ YES 🔼	NO -		. POUNDS OF	CHLORINE	1-21-0	00	
								TABLETS OF	CHLORINE			
REMARKS to top - dug out 3	feet soil fro	m outs	ide steel	casing	REASON WEL	L WAS PLI	UGGED					
cut off PVC & Steel	casings = ca	ned ca	sing with	1 foot		N	lo longer	needed	-			
	_				1		o ronger	liceaea				
Bentonite powder ba	CKTIIIea noie	WITH	native so	111 -	. 							
Compacted soil with	backhoe - ca	lled M	DNR for v	arience o	this						·····	
well and received v	erbal ok to a	bandor	like thi	s.								
See varience # abo	ve.		_ <u>-</u>									
					 							
I HEREBY CERTIFY THAT THE WEL	L HEREIN DESCRIBE	D WAS P	LUGGED IN AC	CORDANCE WIT	H THE DEPARTM	NT OF NA	TURAL RESO	URCES REOL	JIREMENTS	FOR THE PLUK	GING OF WELLS	
SIGNATURE (PRIMARY CONTRAC			PERMIT NUM		NGNATURE (CON				PERMIT N		DATE	
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MO 780 203 (7-97)

MO 780 203 (7

1-27-00



ABANDONMENT

OFFICE USE ONLY	DATE RECEIVED					
REF. NO. 204017						
C.R. NO.	CHECK NO.					
STATE WELL NUMBER	TRANSMITTAL NO.					
ENTERED Ph 1 Ph 2 Ph 3	APPROVED BY ROUTE					

Clean Sites, Inc.						7	03-731-12			(IF APPLICABL	·
	ers Lane			СПҮ			STATE	ZIP CODE		138	
ADDRESS OF WELL SITE (IF DIFFER				Alexa	ndria		VA	22314 ZIP CODE		WELL CERTIFI (IF APPLICABL	CATION NUMBER LE)
Martha C. Rose Chem	•	W M	lcKi ssock	Holder					1	•	
SITE NAME	1 31 CE 300	WELL N		INFORMATION	VERIFIED BY OWN	ER	MO	64040			DATE
Martha C. Rose Chem	nicals	М	W 110	SIGNATURE (M	ELL OWNER)	X					
SKETCH THE LOCATION TO THE OR HIGHWAYS	WELL INCLUDING MIL	LEAGE ON	ALL ROADS TO	AVELED FROM	NEAREST TOWN	LOCATION	OF WELL		/	AREA	·
On Highwars						LAT	_•	-	- ⁻	ELEV	
						LONG.	<u> </u>	·	[COUNTY J	ohnson
See	See Attached						SMAL			U	ARGEST
	,						SW	×	SE	_ xNE	×
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DESCRIBE LOCATION OF THE WE	IT SO WE WOOLD BE	· ABLE IO	VISIT THE WEL	Lait	UNILLEN		arience v	vas issued	- See	remarks	s.below.
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,			·AR	ANDONNE	IT INFORMA	ATION			<u> </u>		A 12 - 12 - 12 - 12 - 12 - 12 - 12 - 12
FORMER USE OF WELL		.t	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ORIGINAL DRILL		11011	DATE ORIGIN	WALLY DRILLED	(IF IONOM	MA: STATIC	WATER LEVEL
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DOMESTIC	SOIL BORING	1 - 6 (5.45)	in America M	DEPTH OF THE	WELL	LENGTH OF C	CASING	CASING DIAM	ETER ·	DRILL HOL	E DIAMETER
MULTI-FAMILY		21.9 2"				(IF KNOWN) 6½/4"				
	MONITORING -			25'	1					<u> </u>	
Y	MINERAL EXPLOR			PUMP REMOVE	D FROM WELL?		SING CUT OFF	THREE FEET		OF CASING	e Marial, Ma
1					D FROM WELL?	BELOW GROU	SING CUT OFF UND SURFACE NO	THREE FEET		DE CASING ASTIC C	ONCRETE
1	GROUT MATERIAL L	USED	ST HOLE	PUMP REMOVE X YES NO	D FROM WELL?	BELOW GROUNDS THOW MANY G	SING CUT OFF UND SURFACE NO BALLONS OF V	THREE FEET	☐ PL/	DE CASING ASTIC CO EEL CO ER OF BAGS	CONCRETE CONTRACTOR OF
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PERMIT NUMBER

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DISTRIBUTION: WHITE/DIVISION CARATY/CONTRACTOR PROLOWNER

MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES, RO, BOX 250, ROLLA, MO 65402

ENCLOSE NO FEE WITH REGISTRATION RECORD WITHIN 60 DAYS AFTER WELL COMPLETION X Dessica X. Kidwell

DATE

1-27-00

PERMIT NUMBER



MO 780-4603 (7-97)

MISSOURI DEPARTMENT OF NATURAL RESOURCES DIVISION OF GEOLOGY AND LAND SURVEY (573) 368-2165

ABANDONMENT REGISTRATION RECORD

OFFICE USE ONLY	DATE RECEIVED
REF. NO. 204018	
C.R. NO.	CHECK NO.
STATE WELL NUMBER	TRANSMITTAL NO.
ENTERED Bb 2	APPROVED BY ROUTE

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INFORMATION SUPPLI	ED BY WELL C	OR PUM	P INSTAL	LATION CO	ONTRACTOR]					
OWNER NAME						TELEPHONE				VARIANCE NU	
Clean Sites, Inc.						703-	731-1279		l'	(IF APPLICAB	•
OWNER ADDRESS 635 Slat				CITY			STATE	ZIP CODE		13	387
XHOXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				Alexa	ndria		l va	22314			ICATION NUMBER
ADDRESS OF WELL SITE (IF DIFFERI				CITY			STATE	ZIP CODE	((IF APPLICAB	LE)
Martha C. Rose Chem	•	West M	lcKi ssock	Holde	en		мо	64040			
SITE NAME		WELL NU			VERIFIED BY OWNE	ER .		01010			DATE
Martha C. Rose Chem	nicals	MW1		SIGNATURE (V							
				AVELED FROM			OF WELL				<u> </u>
SKETCH THE LOCATION TO THE V	WELL INCLUDING MILI	EAGE ON A	ILL HOADS IF	MAFTED LHOW	NEAHES! IOWNS	LOCATION	OF WELL		- 1/	AREA	
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See	Attached					1	<u>Sw</u>	× _ <u>s</u>	<u>·E</u>	_ xN	<u>EX</u>
<u>t</u>	Accachea	1				SEC.	10	WN 45N	N.	RNG2	.8W E OR W
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DESCRIBE LOCATION OF THE WE	LL SO WE WOULD BE	ABLE TO V	ISIT THE WEL	L SITE	DRILLER N		. •		-	-	addition (
		. .					arience	issued - se	e rem	arks be	low.
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			AB	ANDONME	NT INFORMA	TION	٠.		÷.		
FORMER USE OF WELL			.,	ORIGINAL DRIL	LER (IF KNOWN)		DATE ORIGI	NALLY DRILLED (IF KNOW	NO STATIC	C WATER LEVEL .
I	☐ IRRIGATION									· · · · · · · ·	35' TOC
				DEPTH OF THE	WELL I	LENGTH OF C	CASING	CASING DIAME	TED.		LE DIAMETER"
	MONITORING	- /		approx			4.31	2"		(IF KNOWN	
	MINERAL EXPLOR		TUNE						TABE!	OF CACINO	Marina Marina Marina Marina
	OTHER		INOLE	X YES					1		CONCRETE
LI REAL POMP		- , 1/		□ NO							
GROUT INSTALLATION METHOD	GROUT MATERIAL U	SED				HOW MANY GALLONS OF WATER MIXED NUM			NUMBE	ER OF BAGS	OF .
	NEAT CEMENT B	ENTONITE	C/B	Grout] 1	PER BAG OF CEMENT OR BENTONITE? GRE				OUT USED 3 cement blbs. Bentonite	
GRAVITY	HI-EARLY D	SLURRY	GRAN	ULAR 🗆 OTI	HER					OUNDS OF GROUT	
☐XTREMIE .	DITYPE 1	Снірѕ	D PELLE	:TS		8	.5		PER BA	AG.	94
TYPE OF FILL MATERIAL USED		A	AOUNT OF FIL	L MATERIAL US	ED .	CIF	ICLE ONE D	EPTH TO TOP OF	FILL MAT	TERIAL	
GRAVEL AG-LIME								ROM THE SURFAC	Æ		
SAND OTHER						CU. YDS.					
WAS THE WELL ABANDONED BEC		IPTO U	res 🖾 A	io				R THE CHLORINA		TALE METT A	NAS PLUGGED
A PUBLIC OR RURAL WATER SUP IF YES, WHAT IS THE NAME O					BEFORE PLUGO			LLONS OF CHLO			
a res, man is me mane c					☐YES Ø N	₁₀ −		IUNDS OF CHLOR BLETS OF CHLOR	1	1-19-0	0
REMARKS					REASON WELL	WAS BILING					
attempt to p	ull 4" steel d	casing	unsucces	sfully	NE CON WELL	. 11/10 1 10/00	No 1	onger neede	d.		
drilled out 2" PVC	wall with All I	hit to	hR foot	tromio	1						
- Trica dat 2 Tro	MCTT WICH T	טונ נט	70 1000	CI CIIII C	+						· · · · · · · · · · · · · · · · · · ·
grout to surface wi	th c <mark>ement/B</mark> ent	toni te	grout -	dig out 3	1			•			
								-			
feet outside steel	casing - cut o	off ste	el casin	g 3 feet	-						
B.G.S Cap casing	with 1 foot 6	Bentoni	te Powde	r - Backfi	76						
								-			
hole with native so	11.			<u> </u>							
					1						
I HEREBY CERTIFY THAT THE WE	I I HEDEIN DEGEDIGE	.D WAS DI	ICCED IN AC	CODOANCE WAT	LITHE DEPARTMENT	NT OF NATION	AI DEONIS		UTG 500		ana ceven e
I NEMEDI VENIIFI INAI INE WE	L nenem veschibe		UGGED IN AC	CORDANCE WII	n ing Defakti w ei	NI OF NAIUR	WE HESOURK	æ3 HEQUIREMEN	IIS FOR	INE PLUGG	IING OF WELLS.
SIGNATURE (PRIMARY CONTRAC	TOR)		PERMIT NUM	BER 1	HENYQUIRE (CONT	RACTORIL		PERMI	T NUMBE	ER	DATE

DESTRIBUTION: WHITE/DIVISION CANARY/CONTRUCTOR PUNCOWNER
MAIL WHITE COPY TO: DEPARTMENT OF MATURAL RESOURCES, PO. BOX 250, ROLLA, MO 65402
ENCLOSE NO FEE WITH REGISTRATION RECORD WITHIN 60 DAYS AFTER WELL COMPLETION

1-27-00



ABANDONMENT

OFFICE USE ONLY	DATE RECEIVED
REF. NO. 204019	
C.R. NO.	CHECK NO.
STATE WELL NUMBER	TRANSMITTAL NO.
ENTERED	APPROVED BY ROUTE

REGISTR	RATION RE	CORD	}	ENTERED Ph 1	Ph 2	Ph 3	APPR	OVED BY		ROUT!	E /
INFORMATION SUPPLI	ED BY WEL	OR PU	IMP INSTAL	LATION CO	NTRACTO	3					
OWNER NAME						TELEPHOI	Œ			VARIANCE NI (IF APPLICAB	
Clean Sites, Inc.				Ta:=:		703	-731-127			•	
1 222 2.1-2	ers Lane			СПҮ			STATE	ZIP CODE	, l	1372	TICATION NUMBER
AXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		.00		Alexand	dria		STATE	ZIP CODE		(IF APPLICAB	
Martha C. Rose Chem	-	iOO West	: McKissock	1			MO	6404	ا ه		
SITE NAME			NUMBER		ERIFIED BY OWN	IER					DATE
Martha C. Rose Chem	ni cals	MV	1112	SIGNATURE (WE	LL OWNER)	Χ					
SKETCH THE LOCATION TO THE		MILEAGE O	N ALL ROADS TR	AVELED FROM N	EAREST TOWN	LOCATIO	OF WELL			AREA	
OR HIGHWAYS						LAT.	 •	·		ELEV	
						1			F		
See			LONG.				COUNTY				
								ALLEST SW 2	SE	. NE	ARGEST
										_ ^	A
						SEC	10	TWN. 45N	N	RNG.	28W E OR W
DESCRIBE LOCATION OF THE WE	LL SO WE WOULD	BE ABLE T	O VISIT THE WELL	L SITE	DRILLER	NOTES:		31.7	,	٠.	
	· · · · · · · · · · · · · · · · · · ·		··-			<u> </u>	у сору с	of well lo	g is il	legible.	<u>.</u>
							ee rema:	rks below.			
			AP	ANDONMEN	T INFORM	ATION			•	· · · · · · · · · · · · · · · · · · ·	
FORMER USE OF WELL.			ADI	ORIGINAL DRILLI			I DATE OF	GINALLY DRILLI			WATER LEVEL
	☐ IRRIGATION		"	Layne,		•	1995		ED (IL KADA		20' TOC
1	SOIL BORING	درسیم و محمود بدر اما ما این استان افزاری		DEPTH OF THE V		LENGTH OF		CASING DV	AMETER		E DIAMETER
1	MONITORING			401		2	9.5'	2"		(IF KNOW	ð
PUBLIC WATER SUPPLY	MINERAL EXPL	ORATORY	EST HOLE:	PUMP REMOVED							
☐ HEAT PUMP	🗆 отнея ——				* *		OUND SURFA	VCE?			CONCRETE: "
GROUT INSTALLATION METHOD	GROUT MATERIA	AL USED		□ NO						OTHER	
GRAVITY	NEAT CEMENT	BENTONI	TE C/B Gr	out		PER BAG O	F CEMENT O	R BENTONITE?	GROUT 5 lbs	ER OF BAGS TUSED T Bento	cement nite
TREMIE	HI-EARLY	SLUR	RY GRAN	ULAR OTH	ER .		8.5		POUNI	POUNDS OF GROUT	
- I I I I I I I I I I I I I I I I I I I	TYPE 1	□ снір:	S D PELLE	ETS					PER B	AG	94
TYPE OF FILL MATERIAL USED			AMOUNT OF FIL	L MATERIAL USE	•	C	IRCLE ONE	DEPTH TO TOP		TERIAL	
GRAVEL AG-LIME						CU. YDS	S./TONS	. THOM THE SUP	Tree.		
WAS THE WELL ABANDONED BEC					WELL CHLORE		OUNT USED I	FOR THE CHLOR	INATION	DATE WELL Y	WAS PLUGGED
IF YES, WHAT IS THE NAME O			YES A	ю	BEFORE PLUC	GING? _		GALLONS OF CH			
IF 165, WHAT IS THE NAME O	FINE WATER I	JIST NICT.			☐ YES 🗷	NO		POUNDS OF CHI TABLETS OF CHI		1-25-0	10
REMARKS	 			. · · · · · · · · · · · · · · · · · · ·	REASON WEL	L WAS PLUG					
Varience was	issued for	this we	ll due to	no rig							
access. (We though	t we'd have	to gro	out in plac	e & cut							
off 3 feet BGS). W	le managed t	n null	the well a	nid the							
					<u> </u>						
6" steel casing wit	n a packnoe	- 1016	stayed op	en -							
we tremie grouted w	ith C/B gro	out to s	surface.								
Therefore; the vari	ence was no	t neede	ed.			•					
I HEREBY CERTIFY THAT THE WE	LL HEREIN DESCR	IBED WAS	PLUGGED IN AC	CORDANCE WITH	THE DEPARTM	ENT OF NATI	IRAL RESOU	RCES REQUIRE	MENTS FOR	THE PLUGG	ING OF WELLS.
SIGNATURE (PRIMARY CONTRAC		A A	PERMIT NUMI	BER SA	SNATURE (CONT	пестоп	7	PE	RMIT NUMB		DATE
	C. Kidu	rll	1.0034	66WM X	Samuel	\ \alpha	<i>\(\)</i>		001080	PM	1-27-00
MO 780-1963 (7-97)		MAII WHI		WHITE/DIVISION C				E402			

DISTRIBUTION: WHITE/DIVISION CANARY/CONTRACTOR PRINCONNER
MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES, P.O. BOX 250, ROLLA, MO 65402
ENCLOSE NO FEE WITH PEGISTRATION RECORD WITHIN 60 DAYS AFTER WELL COMPLETION



ABANDONMENT REGISTRATION RECORD

OFFICE USE ONLY	DATE RECEIVED					
REF. NO. 204020	7					
C.R. NO.	CHECK NO.					
STATE WELL NUMBER	TRANSMITTAL NO.					
ENTERED Ph 2 Ph 3	APPROVED BY ROUTE					

INFORMATION SUPPLI		UND		Ph 1	Ph 2	Ph 3		I.		_/	
	ED BY WELL C	R PUMI	P INSTAL	LATION CO	NTRACTOR						
OWNER NAME						TELEPHONE		4 4070		VARIANCE N	
Clean Sites, Inc.		·				<u> </u>	703-73			1372	·—•
	iters Lane			Alexand			STATE	ZIP CODE 2231	h		
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				CITY	1718		STATE	ZIP CODE		WELL CERTIFICATION NUMBER (IF APPLICABLE)	
,		5.5 . M	- W * Io	1			MO	6404	0		
Martha C. Rose Chem	51te 500	WELL NU	cKissock	Holden	ERIFIED BY OWN	ER	MU	0404		L	DATE
Martha C. Rose Chem	nicals	MW11		SIGNATURE (WE		 X					
SKETCH THE LOCATION TO THE V				VELED FROM N	EAREST TOWNS	LOCATION	OF WELL			4554	L
OR HIGHWAYS									-	AREA	
						LAT			_	ELEV	
						LONG	 : -		-	COUNTY	Johnson
Sec	See Attached							ALLEST		L	ARGEST
								SW x	SE	×	NE x
						SEC.	10	TWN 45N		1 RNG28	E OR W
		:				<u> </u>					EONI
DESCRIBE LOCATION OF THE WEI	LL SO WE WOULD BE	ABLE TO VI	SIT THE WELL	SITE	ORILIER	NOTES:		opy of we		is	
A THE PROPERTY OF THE PROPERTY							-				
		·· . · · ·		····	711	egible.	See re	marks bel	ow.		·
			ABA	NDONMEN	T INFORMA	ATION	٠.				· · ·
FORMER USE OF WELL				ORIGINAL DRILLI	ER (IF KNOWN)	****	DATE ORIG	SINALLY DRILL	ED (IF KNC	MIND STATIO	C WATER LEVEL
l_	RRIGATION			Layne G	eoscience		· .	-94	•	' I	03 TOC
DOMESTIC	SOIL BORING	- part in a mala Color in \$13		DEPTH OF THE	VELL-100-100	LENGTH OF	CASING	CASING DI	AMETER	DRILL HO	E DIAMETER
MULTI-FAMILY .	MONITORING			approx 40	१ सर्च्छ	29.5	5	2"		(IF KNOW	•
PUBLIC WATER SUPPLY: - [MINERAL EXPLORA	ATORY TEST	1.	PUMP REMOVED							
☐ HEAT PUMP [OTHER	<u>, .,</u>		YES		BELOW GROUND SURFACE?					
GROUT INSTALLATION METHOD	GROUT MATERIAL US	SED		□ NO .		HOW MANY		WATER MIXED	NUM	BER OF BAGS	OTHER
	NEAT CEMENT BE	ENTONITE	C/B Grou	ut				R BENTONITE?	GRO	UT USED 2	Cement
GRAVITY TREME	HI-EARLY K	SLURRY	GRANU	ILAR 🗌 OTHE	ER				POUI) lbs. Bentonite INDS OF GROUT	
	_									94	
Les Inches	☑ TYPE 1 □	CHIPS		rs			8.5		[FER		• .
TYPE OF FILL MATERIAL USED	☑ TYPE 1 □			. MATERIAL USE		CIF	CLE ONE	DEPTH TO TOP	OF FILL M		· · · · · · · · · · · · · · · · · · ·
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME	☑ TYPE 1						ICLE ONE	DEPTH TO TOP	OF FILL M		
TYPE OF FILL MATERIAL USED			OUNT OF FILL	. MATERIAL USEI		CU. YDS.	TONS	FROM THE SUF	OF FILL M	ATERIAL	
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BEC A PUBLIC OR RURAL WATER SUPF	CAUSE OF HOOKING UI	PTO U	OUNT OF FILL	. MATERIAL USEI	WELL CHLORIN	CU. YDS.	TONS	FROM THE SUF	OF FILL M	ATERIAL	
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BEC	CAUSE OF HOOKING UI	PTO U	OUNT OF FILL	. MATERIAL USEI	WELL CHLORIN	CU. YDS.	TONS UNTUSED F	OR THE CHLOR GALLONS OF CH COUNDS OF CH	OF FILL M RFACE BINATION HLORINE LORINE	ATERIAL	WAS PLUGGED
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BEC A PUBLIC OR RURAL WATER SUPP IF YES, WHAT IS THE NAME O	CAUSE OF HOOKING UI	PTO U	OUNT OF FILL	. MATERIAL USEI	WELL CHLORING BEFORE PLUG	CU. YDS.	/TONS UNIT USED FI	FROM THE SUF OR THE CHLOR IALLONS OF CI	OF FILL M RFACE BINATION HLORINE LORINE	DATE WELL	WAS PLUGGED
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BEC A PUBLIC OR RURAL WATER SUPF IF YES, WHAT IS THE NAME O	CAUSE OF HOOKING UI	P TO Y	OUNT OF FILL	MATERIAL USE	WELL CHLORIN	CU. YDS.	/TONS UNIT USED FI	OR THE CHLOR GALLONS OF CH COUNDS OF CH	OF FILL M RFACE BINATION HLORINE LORINE	DATE WELL	WAS PLUGGED
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BEC A PUBLIC OR RURAL WATER SUPF IF YES, WHAT IS THE NAME OF SUPPRINCE WAS ASSESSED.	CAUSE OF HOOKING UI PLY DISTRICT? OF THE WATER DIST IS ISSUED FOR	PTO Y	OUNT OF FILL	MATERIAL USED	WELL CHLORIN BEFORE PLUG YES DI REASON WELL	CU. YDS. VATED AMO GING? NO	/TONS UNIT USED FOR THE PROPERTY OF THE PROPER	FROM THE SUF OR THE CHLOR BALLONS OF CH COUNDS OF CH ABLETS OF CH	OF FILL M RFACE BINATION HLORINE LORINE	DATE WELL	WAS PLUGGED
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BEC A PUBLIC OR FURAL WATER SUPF IF YES, WHAT IS THE NAME OF THE NAME	CAUSE OF HOOKING UPPLY DISTRICT? DE THE WATER DISTRICTS Its issued for the stainless well	PTO Y	ES A NO	MATERIAL USED	WELL CHLORIN BEFORE PLUG YES DI REASON WELL	CU. YDS.	/TONS UNIT USED FOR THE PROPERTY OF THE PROPER	FROM THE SUF OR THE CHLOR BALLONS OF CH COUNDS OF CH ABLETS OF CH	OF FILL M RFACE BINATION HLORINE LORINE	DATE WELL	WAS PLUGGED
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BEC A PUBLIC OR RURAL WATER SUPF IF YES, WHAT IS THE NAME OF SUPPRINCE WAS ASSESSED.	CAUSE OF HOOKING UPPLY DISTRICT? DE THE WATER DISTRICTS Its issued for the stainless well	PTO Y	ES A NO	MATERIAL USED	WELL CHLORIN BEFORE PLUG YES DI REASON WELL	CU. YDS. VATED AMO GING? NO	/TONS UNIT USED FOR THE PROPERTY OF THE PROPER	FROM THE SUF OR THE CHLOR BALLONS OF CH COUNDS OF CH ABLETS OF CH	OF FILL M RFACE BINATION HLORINE LORINE	DATE WELL	WAS PLUGGED
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BEC A PUBLIC OR RURAL WATER SUPF IF YES, WHAT IS THE NAME OF REMARKS Varience wa required. All 2" s casing was removed	CAUSE OF HOOKING UPPLY DISTRICT? DF THE WATER DIST Is issued for itainless well from hole. To	PTO Y	OUNT OF FILL ES A NO 11 but wa al & 6" : with ceme	MATERIAL USED	WELL CHLORIN BEFORE PLUG YES DI REASON WELL	CU. YDS. VATED AMO GING? NO	/TONS UNIT USED FOR THE PROPERTY OF THE PROPER	FROM THE SUF OR THE CHLOR BALLONS OF CH COUNDS OF CH ABLETS OF CH	OF FILL M RFACE BINATION HLORINE LORINE	DATE WELL	WAS PLUGGED
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BEC A PUBLIC OR FURAL WATER SUPF IF YES, WHAT IS THE NAME OF THE NAME	CAUSE OF HOOKING UPPLY DISTRICT? DF THE WATER DIST Is issued for itainless well from hole. To	PTO Y	OUNT OF FILL ES A NO 11 but wa al & 6" : with ceme	MATERIAL USED	WELL CHLORIN BEFORE PLUG YES DI REASON WELL	CU. YDS. VATED AMO GING? NO	/TONS UNIT USED FO	FROM THE SUF OR THE CHLOR BALLONS OF CH COUNDS OF CH ABLETS OF CH	OF FILL M RFACE BINATION HLORINE LORINE	DATE WELL	WAS PLUGGED
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BEC A PUBLIC OR RURAL WATER SUPF IF YES, WHAT IS THE NAME OF REMARKS Varience wa required. All 2" s casing was removed	CAUSE OF HOOKING UPPLY DISTRICT? DF THE WATER DIST Is issued for itainless well from hole. To	PTO Y	OUNT OF FILL ES A NO 11 but wa al & 6" : with ceme	MATERIAL USED	WELL CHLORIN BEFORE PLUG YES DI REASON WELL	CU. YDS. VATED AMO GING? NO	/TONS UNIT USED FO	FROM THE SUF OR THE CHLOR BALLONS OF CH COUNDS OF CH ABLETS OF CH	OF FILL M RFACE BINATION HLORINE LORINE	DATE WELL	WAS PLUGGED
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BEC A PUBLIC OR RURAL WATER SUPF IF YES, WHAT IS THE NAME OF REMARKS Varience wa required. All 2" s casing was removed	CAUSE OF HOOKING UPPLY DISTRICT? DF THE WATER DIST Is issued for itainless well from hole. To	PTO Y	OUNT OF FILL ES A NO 11 but wa al & 6" : with ceme	MATERIAL USED	WELL CHLORIN BEFORE PLUG YES DI REASON WELL	CU. YDS. VATED AMO GING? NO	/TONS UNIT USED FO	FROM THE SUF OR THE CHLOR BALLONS OF CH COUNDS OF CH ABLETS OF CH	OF FILL M RFACE BINATION HLORINE LORINE	DATE WELL	WAS PLUGGED
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BEC A PUBLIC OR RURAL WATER SUPF IF YES, WHAT IS THE NAME OF REMARKS Varience wa required. All 2" s casing was removed	CAUSE OF HOOKING UPPLY DISTRICT? DF THE WATER DIST Is issued for itainless well from hole. To	PTO Y	OUNT OF FILL ES A NO 11 but wa al & 6" : with ceme	MATERIAL USED	WELL CHLORIN BEFORE PLUG YES DI REASON WELL	CU. YDS. VATED AMO GING? NO	/TONS UNIT USED FO	FROM THE SUF OR THE CHLOR BALLONS OF CH COUNDS OF CH ABLETS OF CH	OF FILL M RFACE BINATION HLORINE LORINE	DATE WELL	WAS PLUGGED
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BEC A PUBLIC OR RURAL WATER SUPF IF YES, WHAT IS THE NAME OF REMARKS Varience wa required. All 2" s casing was removed	CAUSE OF HOOKING UPPLY DISTRICT? DFTHE WATER DISTRICTS Its issued for the stainless well from hole. The surface and causes.	PTO Y	ES A NO	as not steel	WELL CHLORING BEFORE PLUG	CU. YDS. VATED AMO GING? L WAS PLUGG	/TONS UNT USED F	FROM THE SUF OR THE CHLOR BALLONS OF CH YOUNDS OF CH ABLETS OF CH	OF FILL M RFACE BNATION HLORINE LORINE LORINE	DATE WELL \	MAS PLUGGED
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BECA PUBLIC OR RURAL WATER SUPFIFYES, WHAT IS THE NAME OF T	CAUSE OF HOOKING UPPLY DISTRICTY DEFTHE WATER DISTRICTS US issued for stainless well from hole. To surface and co	PTO YOUR TRICT: this we materi remied will aped will be was PLU	OUNT OF FILL ES A NO 11 but wa al & 6" s with ceme th native	MATERIAL USED as not steel ent c soil.	WELL CHLORING BEFORE PLUG YES DI INTERPRETATION WELL NO THE DEPARTME	CU. YDS. VATED AMO GING? L WAS PLUGG Tonger ENT OF NATUR	/TONS UNT USED F	FROM THE SUF OR THE CHLOR SALLONS OF CH OUNDS OF CH ABLETS OF CH	OF FILL M RFACE BINATION HLORINE LORINE LORINE	DATE WELL V	MAS PLUGGED 00 Bling of Wells.
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BECA PUBLIC OR RURAL WATER SUPF IF YES, WHAT IS THE NAME OF THE NAME O	CAUSE OF HOOKING UPPLY DISTRICT? OF THE WATER DISTRICTS Its issued for the stainless well from hole. To surface and contact	PTO YOUR TRICT: this we materi remied will aped will be was PLU	ES A NO	MATERIAL USED as not steel ent c soil.	WELL CHLORING BEFORE PLUG	CU. YDS. VATED AMO GING? L WAS PLUGG Tonger ENT OF NATUR	/TONS UNT USED F	FROM THE SUF OR THE CHLOR SALLONS OF CH OUNDS OF CH ABLETS OF CH ACES REQUIRE	OF FILL M RFACE BINATION HLORINE LORINE LORINE LORINE ELORINE ELORINE ELORINE ELORINE ELORINE ELORINE	DATE WELL V 1-24-(MAS PLUGGED OO BING OF WELLS.
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BEC A PUBLIC OR RURAL WATER SUPF IF YES, WHAT IS THE NAME OF REMARKS Varience wa required. All 2" s casing was removed Bentonite grout to I HEREBY CERTIFY THAT THE WELL BIGNATURE (PRIMARY CONTRACT	CAUSE OF HOOKING UPPLY DISTRICT? OF THE WATER DISTRICTS Its issued for the stainless well from hole. The surface and causes and causes well LL HEREIN DESCRIBET	PTO YOUR TRICT: this we materi remied will aped will be was PLU	OUNT OF FILL ES 12 No. 11 but was al & 6"; with cemes the native of th	as not steel ent corpance with	WELL CHLORING BEFORE PLUG YES DI I REASON WELL NO THE DEPARTME	CU. YDS. VATED AMO GING? NO L WAS PLUGG O TONGET THE TOP NATUE	TONS UNTUSED F	FROM THE SUF OR THE CHLOR BALLONS OF CH OUNDS OF CH ABLETS OF CH RCES REQUIRE	OF FILL M RFACE BINATION HLORINE LORINE LORINE	DATE WELL V 1-24-(MAS PLUGGED 00 Bling of Wells.

DISTRIBUTION: WHITE/DIMISON CONTRACTOR PRICOWNER
MAIL WHITE COPY TO: DEPARTMENT OF MATURAL RESOURCES, PO. BOX 250, ROLLA, MO 65402
ENCLOSE NO FEE WITH REGISTRATION RECORD WITHIN 50 DAYS AFTER WELL COMPLETION



ABANDONMENT REGISTRATION RECORD

OFFICE USE ONLY	DATE RECEIVED
REF. NO. 204021	
C.R. NO.	CHECK NO.
STATE WELL NUMBER	TRANSMITTAL NO.
ENTERED Bh 3	APPROVED BY ROUTE

INFORMATION SUPPLI	ED BY WELL	OR PU	AP INSTAL	LATION CO	NTRACTO	TELEPHO				ARIANCE NU	14050
OWNER NAME							-			IF APPLICABL	
Clean Sites, Inc.				Тспу			03-731-12	Z/9		12	72
KXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	iters Lane			Alexand	1_1_		VA	22314	- Iv		ICATION NUMBER
ADDRESS OF WELL SITE (IF DIFFERI				CITY	ar i d		STATE	ZIP CODE		IF APPLICABI	LE)
	-			l				CLOLO.			
Martha C. Rose Chem	1 51te 500		McKissock NUMBER	Holden INFORMATION V	ERIFIED BY OWN	ER	MO	64040			DATE
Martha C. Rose Chem	icals	1	IW114	SIGNATURE (WE		X					
SKETCH THE LOCATION TO THE V	WELL INCLUDING MIL	EAGE ON	ALL ROADS TR	AVELED FROM N	EAREST TOWNS	LOCATIO	N OF WELL			AREA	
OR HIGHWAYS						LAT.	· •	•	<i>-</i> .	ELEV	
									\ -		
			LONG	 ' <u>-</u>	 '		_ YTNUO	Johnson			
}					LLEST		_	ARGEST			
					<u> </u>	SE	_× <u> </u>	<u>Ex</u>			
·			_			SEC	10	TWN. 45N	. N	RNG. —2	8W E OR W
				·	•			10010.	N	nite.	E ON W
DESCRIBE LOCATION OF THE WE	LL SO WE WOULD BE	ABLE TO	VISIT THE WELL	SITE	DRILLER	NOTES:	Mu or	opy of well	log f	llogibl	3.1 (3.8 (1.3 (4.4))
				му сс	opy of well	10g 1	Tregibi	<u>.e, </u>			
·						see	remarks	below.			
ABANDONMENT INFORMATION											
FORMER USE OF WELL	5 f g			ORIGINAL DRILLE	R (IF KNOWN)		DATE ORIG	NALLY DRILLED (IF KNOW	N) STATIC	WATER LEVEL
1 —	☐ IRRIGATION	į . ·	···	Layne Geo:	science		9-29-9	94		1 1	5.56 TOC
☐ DOMESTIC	SOIL BORING	14 15 US	7.77	DEPTH OF THE W	E LL	LENGTH OF	CASING	CASING DIAME	TER		E DIAMETER
☐ MULTI-FAMILY {	MONITORING	· · .		approx 60	F.,	59.5% 2"				(IF-KNOWN	9 - 25th - 144 - 1
PUBLIC WATER SUPPLY	MINERAL EXPLOP	ATORY TE	ST HÖLE :-	FUMP REMOVED	FROM WELL?	WAS THE CASING CUT OFF THREE FEET T			TYPE	F CASING	
☐ HEAT PUMP [☐ OTHER	···· ·		☑ YES		<u> </u>	OUND SURFAC	E? .			CONCRETE
GROUT INSTALLATION METHOD	GROUT MATERIAL I			□ NO		YES [WATER MIXED	X STE		OTHER
GHOUT INSTALLATION METHOD		JSED BENTONITE	C/B Gr	out			F CEMENT OR		GROUT	NUMBER OF BAGS OF BROUT USED 2 cement	
GRAVITY		Diswer		ULAR 🗆 OTHE			8.5			10 lbs. Bentonite	
TREMIE		□ CHIPS			-n		0.5		PER BA		94
TYPE OF FILL MATERIAL USED	ED ITPE I			L MATERIAL USE			IRCLE ONE	EPTH TO TOP OF	EN L MAT		
GRAVEL GAG-LIME			WOON! OF FIL	T MAIERIAL USE	•			ROM THE SURFACE		CHIAL.	
SAND OTHER						CU. YDS	SATONS				
WAS THE WELL ABANDONED BEC	_	סד שט	YES 🔼 N	-			OUNT USED FO	OR THE CHLORINAT	TON D	XLE METT A	VAS PLUGGED
IF YES, WHAT IS THE NAME O			YES LA N	<u>. </u>	BEFORE PLUG	GING?		ALLONS OF CHLO			
ir res, what is the name o	A THE WATER DIS	inci.			TYES A	NO -		DUNDS OF CHLOR VBLETS OF CHLOR		1∸2	5-00
REMARKS					REASON WEL	L WAS PLUG					
Varience was i	ssued for thi	s well	, but was	not							
used. We were able	to remove we	11 (2"	stainles	s)			No 1	nger needed	i		
and 6" steel casing	from borehol	le. We	tremie g	routed						_	
with cement/Bentoni											
soil was used to ca											
	F 41.1										
					<u> </u>		 · · · · · · · · · · · · · · · · · 				
					i					· · · · · · · · · · · · · · · · · · ·	
HEREBY CERTIFY THAT THE WE	LL HEREIN DESCRIBI	ED WAS P	LUGGED IN ACC	CORDANCE WITH	THE DEPARTME	ENT OF NATI	JRAL RESOUR	CES REQUIREMEN	NTS FOR	THE PLUGG	ING OF WELLS.
SIGNATURE (PRIMARY CONTRAC	TOR)		PERMIT NUME	SER SK	ENATURE (CONT	RACTOR)	$\overline{}$	PERMI	T NUMBE	R	DATE

DISTRIBUTION: WHITE/DIVISION CANARY/CONTRACTION PENKIOWNER
MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES, P.O. BOX 250, ROLLA, MO 85402
ENCLOSE NO FEE WITH REGISTRATION RECORD WITHIN SO DAYS AFTER WELL CONDUCTION

1-27-00



MO 780 1603 (7-97)

MISSOURI DEPARTMENT OF **NATURAL RESOURCES DIVISION OF GEOLOGY AND LAND SURVEY** (573) 368-2165

ABANDONMENT REGISTRATION RECORD

OFFICE USE ONLY	DATE RECEIVED	
REF. NO. 204022		
C.R. NO.	CHECK NO.	
STATE WELL NUMBER	TRANSMITTAL NO.	
ENTERED	APPROVED BY	ROUTE

				PTII	PTI 2	PTI	3					
INFORMATION SUPPLI	ED BY WELL (OR PUN	IP INSTAL	LATION CO	NTRACTOR							
OWNER NAME						TELEPI					VARIANCE NU IF APPLICAB	LE)
Clean Sites, Inc.				CITY		70	3-731-1 STATE		ZIP CODE			1372
	ers Lane	_					1				WELL CERTIF	CATION NUMBER
ADDRESS OF WELL SITE (IF DIFFERE		0		Alexand	ria		STATE		22314 ZIP COD€		IF APPLICAB	
Martha C. Rose Chem	•	West Mo	Kissock	Hol den			MO		64040			
RITE NAME	3110 300	WELLN			ERIFIED BY OWN	ER			1 01010			DATE
Martha C. Rose Chemi	cals	MW1	15	SIGNATURE (WE	ELL OWNER)	X						
SKETCH THE LOCATION TO THE V	WELL INCLUDING MIL	EAGE ON	ALL ROADS TE	AVELED FROM N			ION OF WE	ц		1	AREA	
OR HIGHWAYS					•	ني ا				- I		
· ·						LAT				- լլ	ELEV	
See	Attached					LONG	i	• _			COUNTY_	<u>Johnson</u>
				•				SMAL				ARGEST
	·							SV	<u> </u>	SE	_ × <u>N</u>	<u>Ex</u>
								т	wn. 45N	N	RNG2	8W E OR W
	· · ·		: "				EC		1414.			
DESCRIBE LOCATION OF THE WEL	DRILLER	NOTES:				Terms :	S ALL S	of the same of				
				· · · · · · · · · · · · · · · · · · ·								***************************************
<u></u>	- 	 					S	е <u>е</u> ге	marks belo	OW		
4			i									
	•		AB	ANDONMEN	T INFORM	ATION		٠.				
FORMER USE OF WELL				ORIGINAL DRILLI			DATE	ORIGIA	IALLY DRILLED	(IF KNOW	NO STATIC	WATER LEVEL
1	IRRIGATION			Layne Wes	•				/94:			42' TOC
☐ DOMESTIC	SOIL BORING	en and	42.	DEPTH OF THE V	ELL LENGTH OF CASING CASING DIAMETER			ETER				
lt	MONITORING			approx.	50'	·495' 2"				(IF KNOWN	0. 5m · · ·	
PUBLIC WATER SUPPLY	MINERAL EXPLOR	ATORY TE	ST HOLE	PUMP REMOVED	FROM WELL?				THREE FEET	TYPE	F CASING	ed. Anna delicati
☐ HEAT PUMP [UIREH	· · · · ·		☑ YES			GROUND SI	JRFACE				CONCRETE - ::
GROUT INSTALLATION METHOD	GROUT MATERIAL	ISED		□ NO			NO NO	IS OF V	VATER MIXED		R OF BAGS	
		BENTONITE	C/B	Grout					ENTONITE?	сяр ц	our used 2 cement libs. Bentonite	
GRAVITY	l	X SLURRY		ULAR DOTH	ER						OUNDS OF GROUT	
TREMIE	DITYPE 1	☐ CHIPS	☐ PELLE	TS			8.5	•	•	PER B	NG.	94
TYPE OF FILL MATERIAL USED	<u> </u>	A	MOUNT OF FIL	1. MATERIAL USE	<u> </u>		CIRCLE O	NE DE	PTH TO TOP OF	FILL MA	TERIAL	
GRAVEL AG-LIME						OLL V	DO (TO)		IOM THE SURFA	CE		
WAS THE WELL ABANDONED SEC	ALISE OF MOOKING				WELL CHI COL		DS./TON		THE CHLORINA	mon I	DATE WELL W	WAS PLUGGED
A PUBLIC OR RURAL WATER SUPP			YES 🖾 N	ю	BEFORE PLUG		AMOUNT US		LLONS OF CHLO		MIC WELL Y	WS PLUGGED
IF YES, WHAT IS THE NAME O	F THE WATER DIS	TRICT:			YES X			PO	UNDS OF CHLOR	RINE	1-22-	00
								TAB	LETS OF CHLO	RINE		
REMARKS Varience was issued	for this wel	1 but v	was not r	equired.	REASON WEL	L WAS PL	UGGED					
			•		· · · · · · · · · · · · · · · · · · ·	N.						
We pulled all 2" S.					 	NC	longe	r nee	aea.			
from the borehole.	We then trem	ife grou	sted with	cement/	<u> </u>							
Bentonite grout to :	surface; then	caped	with nat	ive soil.								
I HEREBY CERTIFY THAT THE WEI	LL HEREIN DESCRIBI	ED WAS PI	UGGED IN AC	CORDANCE WITH	THE DEPARTME	NT OF N	ATURAL RE	SOURC	ES REQUIREME	NTS FOR	THE PLUGG	BING OF WELLS.
SIGNATURE (PRIMARY CONTRAC	TORI)		PERMIT NUM	BER SA	CHATLINE (CONT	PACTOR	10		PERM	IT NUMBI	ER	DATE

DISTRIBUTION: WHITE/DIVISION CANATY/CONTRACTOR PRINCONNER
MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES, PG BOX 250, ROLLA, MO 65402
ENCLOSE NO FEE WITH REGISTRATION RECORD WITHIN SO DAYS AFTER MELL CONDICTION L. Kidwell

1-27-00

001.080 PM



MO 780 1803 (7-97)

MISSOURI DEPARTMENT OF **NATURAL RESOURCES DIVISION OF GEOLOGY AND** LAND SURVEY (573) 368-2165

ABANDONMENT REGISTRATION RECORD

OFFICE USE ONLY	DATE RECEIVED
REF. NO. 204023	1
C.R. NO.	CHECK NO.
STATE WELL NUMBER	TRANSMITTAL NO.
ENTERED	APPROVED BY ROUTE

INFORMATION SUPPLI	ED BY WELL	OR PUN	IP INSTAL	LATION CO	NTRACTOR	}					
OWNER NAME					TELEPHONE					NUM	
Clean Sites, Inc.					•	1	703-731-	1279	(IF 4	APPLICABLE	=)
	··			CITY			STATE	ZIP CODE	\dashv		
************	ers Lane	KX		A1	J		,,,		WE	LL CERTIFIC	ATION NUMBER .
ADDRESS OF WELL SITE (IF DIFFERE		90		Alexan	arıa		STATE	22314 ZIP CODE		APPLICABLE	ə
	•						[1		
Martha C. Rose Chem	Site 500		cKissock	Holden	EDIEIED ON OVER	F0	MO	64040		· · · · · · · · · · · · · · · · · · ·	
SITE NAME		WELL N		SIGNATURE (WE	ERIFIED BY OWN					j'	DATE
Martha C. Rose Chem			201			X			•		
SKETCH THE LOCATION TO THE V	WELL INCLUDING MIL	EAGE ON	ALL ROADS TR	AVELED FROM N	EAREST TOWNS	LOCATIO	ON OF WELL	-	AR	EA	
OR HIGHWAYS						LAT.	•		·		
									EL	EV	
						LONG.	 _		_	UNTY _	ohnson
Sec	e attached.						SMA	ILLEST			RGEST
								SW xS	E :	×N	Ex
•						1					
1						SEC	<u>. 10 </u>	TWN. 45N	N -RI	NG. <u>28</u>	E OR W
		. ADI C	ACIT TUE ME:	OLDE.	DDU LES	OTES:	Sec. Anna La	22.40.8.4	1	St. 75	
DESCRIBE LOCATION OF THE WEI	LL SO WE WOULD BE	: ABLE 10 \	MOII INE WELL	. 3112	OHILLERI	4U1E\$: ·	The Artist of			merita i a a	• •
								· · · · · · · · · · · · · · · · · · ·	·· <u>· · · · · · · · · · · · · · · · · · </u>		XX-7-1-1-1
							See rema	rks below			a miredialines :
					- 1					:	_
	., ., ., ., ., ., .	-,									
	•		ABA	ANDONMEN	T INFORM	ATION		. :			
FORMER USE OF WELL				ORIGINAL DRILLI	ER (IF KNOWN)		DATE ORIG	MALLY DRILLED (F KNOWN)	STATIC	WATER LEVEL
☐ HAND DUG	IRRIGATION -			Hebel/Elli	s		6-24-8	. ·		Well:	bent & brok
DOMESTIC	SOIL BORING			DEPTH OF THE V	VELL	LENGTH C	F CASING		ren d	RU L HOPE	COLAMETER AT 1.
	MONITORING			13.21		10.4' 2"				F KNOWN)	- 8k
PUBLIC WATER SUPPLY				PUMP REMOVED	FROM WELL?	WAS THE	CASING CLIT OF	FF THREE FEET			
☐ HEAT PUMP	OTHER		,	∑ YES			ROUND SURFAC			PLASTIC: CONCRETE"	
LI REALFORM	Olinen			□ NO		YES	🖾 no 🗀			L Do	
GROUT INSTALLATION METHOD	GROUT MATERIAL	JSED						WATER MIXED		OF BAGS	
	NEAT CEMENT	BENTONITE	C/B	Grout		PER BAG	OF CEMENT OR	BENTONITE?	GROUT U	POUTUSED 4 cement 0 lbs. Bentonite	
GRAVITY	HI-EARLY	X SLURR	GRAN	ULAR OTH	ER ·			i		UNDS OF GROUT	
☐ TREMIE	D TYPE 1	CHIPS	☐ PELLE	TS			8.5	ļ	PER BAG		94
TYPE OF FILL MATERIAL USED	·		MOUNT OF FIL	L MATERIAL USEI	l		CIRCLE ONE I	DEPTH TO TOP OF F	ILL MATER	RIAL	
GRAVEL AG-LIME							F	FROM THE SURFACE			
SAND OTHER						CU. YD	S./TONS		_		•
WAS THE WELL ABANDONED BEC			In				AOUNT USED FO	OR THE CHLORINATI	ON DAT	E WELL W	S PLUGGED
A PUBLIC OR RURAL WATER SUPP			YES N	0	BEFORE PLUG	GING? _		ALLONS OF CHLOR			
IF YES, WHAT IS THE NAME O	JE THE WATER DIS	HICT:		•	YES D	wo -		OUNDS OF CHLORI		1-20-0	00
								ABLETS OF CHLORI	NE		
REMARKS Drilled well out w	vith 8" hit t	o 15! -	grouted	via	REASON WEL	L WAS PLU	GGED				
					 						
tremie with cement B	Bentonite gro	ut to s	urface th	en caped			No lo	nger needed.			
with native soil.											
mich hacive soll.				<u></u>							
					 						
					<u> </u>						
		_					-				
			 		 						
<u> </u>	·				<u> </u>						
I HEREBY CERTIFY THAT THE WEI	LL HEREIN DESCRIB	ED WAS PI	LUGGED IN ACC	CORDANCE WITH	THE DEPARTME	NT OF NAT	TURAL RESOUR	CES REQUIREMEN	TS FOR TH	IE PLUGGII	NG OF WELLS.
					CHATURE (CONT						
SIGNATURE (PRIMARY CONTRAC	TEMPL		PERMIT NUME			RACIONA	•	I PERMIT	NUMBER		DATE

DISTRIBUTION: WHITE/DIVISION CANARY/CONTRACTOR PINK/OWNER
MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES, #0. BOX 250, ROLLA, MO 65402
ENCLOSE NO FEE WITH REGISTRATION RECORD WITHIN 60 DAYS AFTER WELL COMPLETION

DATE

1-27-00

PERMIT NUMBER



SIGNATURE (PRIMARY CONTRACTOR)

MO 780/803 (7-97)

MISSOURI DEPARTMENT OF NATURAL RESOURCES DIVISION OF GEOLOGY AND LAND SURVEY (573) 368-2165

ABANDONMENT REGISTRATION RECORD

OFFICE USE ONLY	DATE RECEIVED
REF. NO. 204024	7 .
C.R. NO.	CHECK NO.
STATE WELL NUMBER	TRANSMITTAL NO.
ENTERED	APPROVED BY ROUTE

	ED BY WELL OR P	UNII INVIAL	<u> </u>	TITIAGIGE	<u> </u>					
OWNER NAME	-				TELEPHONE				IANCE NUI	
Clean Sites, Inc.					703-	731-1279		(0F 7	FLICABL	- ,
	ers Lane		СПҮ	·		STATE	ZIP CODE			
KKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKK			Alexand	iria		VA	22314	WEL	L CERTIFIC	CATION NUMBER
ADDRESS OF WELL SITE (IF DIFFER			CITY			STATE	ZIP CODE	(IF A	PPLICABL	E)
			11.7.1			МО.	C4040			
Martha C. Rose Chem		: McKissock	Holden	ERIFIED BY OWN	20	MO	64040			DATE
			SIGNATURE (WE	II AMMEDI				•	1	
Martha C. Rose Chem		MW202	<u> </u>		<u>X</u>		-,			
SKETCH THE LOCATION TO THE	WELL INCLUDING MILEAGE	ON ALL ROADS TRA	AVELED FROM NE	EAREST TOWNS	LOCATION	OF WELL		ARI	EA	
OR HIGHWAYS					LAT.	_•		ELE	3 /	
1										
1					LONG	.	<u>'</u>	_ co	UNTY:	Johnson
	•					SMAL	LEST		LA	RGEST
1							<u> </u>	SE ,	<u>،</u> ا	<u>√E</u> ×
See	Attached					10	AEN		281	u
4 Min 5 %		•			SEC.	T	wn. 45N	N RN	IG. —201	E OR W
DESCRIBE LOCATION OF THE WE	TI CO WE WOULD BE ARE	TO VICIT THE WELL	ette .	Dellico	MOTES:	" s.u. :	1. 472.			
DESCRIBE LOCATION OF THE WE	IT SO ME MOOTH BE VOIT	10 AIRL LUE METT	. 311E	ONICCENT	*U1E3: ··· `	y. **, *, *, *, *, *, *, *, *, *, *, *, *,				
	,							-		
										
				- 1						
										
1	•	ABA	NDONMEN	T INFORM/	ATION	•	•	_		•:
FORMER USE OF WELL			ORIGINAL DRILLE	R (IF KNOWN)		DATE ORIGIN	ALLY DRILLED (I	F KNOWN)	STATIC	WATER LEVEL
☐ HAND DUG	IRRIGATION		Hebel/Elli	is ·		6-:	27 - 87		8.	B1 TOC
DOMESTIC OF	SOIL BORING		DEPTH OF THE W	ELL	LENGTH OF	<u> </u>	CASING DIAME	TER D	DILL HOLE	DIAMETER
	MONITORING .		20.51	.	approx 13.5' 2"			(IF	F KNOWN)	ol II
D PUBLIC WATER SUPPLY		TEET HOTE					THREE FEET	TYPE OF I	CASING	rou later halfage
I · · · · · · · · · · · · · · · · · ·		1.	YES	ı		UND SURFACE				ONCRETE:
LLI FIEAL FOMP	U Olner		□ NO	' ·	☐ YES 【	NO.		STEEL		
GROUT INSTALLATION METHOD	GROUT MATERIAL USED		····			GALLONS OF V	VATER MIXED	NI IMBER (MRED OF BAGS OF	
	1		rout		PER BAG OF CEMENT OR BENTONITE? G				ROUTUSED 6 cement 30 lbs. Bentonite	
1_	NEAT CEMENT BENTO	VITE C/D G		I	PER BAG OF	CEMEN! ON	ENIONITE?	GROUTUS	SED 6	
GRAVITY	NEAT CEMENT BENTO	NITE		:a	PER BAG OF	CEMENT OR E	ENIONITE?			
☐ GRAVITY ☐ TREMIE	NEAT CEMENT BENTON	RRY GRANI	ULAR OTHE	a ER	PER BAG OF	8.5	SENTONITE?	GROUT US 30 1bs POUNDS O PER BAG		
TREMIE	NEAT CEMENT BENTO	RRY GRANI PS PELLE	ULAR OTHE			8.5		POUNDS (PER BAG	OF GROUT	r
TYPE OF FILL MATERIAL USED	NEAT CEMENT BENTON	RRY GRANI PS PELLE	ULAR OTHE			8.5	PTH TO TOP OF I	POUNDS (PER BAG FILL MATER	OF GROUT	r
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME	NEAT CEMENT BENTON	RRY GRANI PS PELLE	ULAR OTHE			8.5	РТН ТО ТОР OF I	POUNDS (PER BAG FILL MATER	OF GROUT	r
TYPE OF FILL MATERIAL USED	NEAT CEMENT BENTON H-EARLY SLU MTYPE 1	RRY GRANL PS PELLE AMOUNT OF FILE	ULAR OTHE		CU. YDS	8.5 FF	РТН ТО ТОР OF I	POUNDS (PER BAG FILL MATER E	IAL.	r
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER	NEAT CEMENT BENTON H-EARLY SUL XI TYPE 1 CHIL	RRY GRANI PS PELLE	ULAR OTHE TS L MATERIAL USED	<u> </u>	CU. YDS	8.5 RCLE ONE DE FF	PTH TO TOP OF I	POUNDS OF PER BAG FILL MATTER E ION DATE	IAL.	94
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BEC	NEAT CEMENT BENTON H-EARLY SUL TYPE 1 CHIL AUSE OF HOOKING UP TO PLY DISTRICT?	NITE RRY GRANI PS PELLE AMOUNT OF FILE YES (2) N	ULAR OTHE TS L MATERIAL USED	WELL CHLORII BEFORE PLUG	CU. YDS	8.5 RCLE ONE DE FFF /TONS UNT USED FOR	PTH TO TOP OF I IOM THE SURFAC	POUNDS (PER BAG FILL MATER E ION DATE UNE	IAL EWELL W	94 AS PLUGGED
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BEC A PUBLIC OR PURAL WATER SUP	NEAT CEMENT BENTON H-EARLY SUL TYPE 1 CHIL AUSE OF HOOKING UP TO PLY DISTRICT?	NITE RRY GRANI PS PELLE AMOUNT OF FILE YES (2) N	ULAR OTHE TS L MATERIAL USED	WELL CHLORI	CU. YDS	8.5 ACLE ONE DEFF /TONS UNT USED FOR	PTH TO TOP OF I IOM THE SURFAC THE CHLORINAT LLONS OF CHLOR	POUNDS (PER BAG) FILL MATER E ION DATE UNE	IAL.	94 AS PLUGGED
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BEC A PUBLIC OR PURAL WATER SUP IF YES, WHAT IS THE NAME OF	NEAT CEMENT BENTON H-EARLY SUL TYPE 1 CHIL CAUSE OF HOOKING UP TO PLY DISTRICT? OF THE WATER DISTRICT	RRY GRANI PS PELLE AMOUNT OF FILE DYES 28 M	ULAR OTHE TS L MATERIAL USED	WELL CHLORII BEFORE PLUG	CU. YDS NATED AMO GING?	8.5 RCLE ONE DE FFF /TONS UNIT USED FOR POI	EPTH TO TOP OF I IOM THE SURFACE THE CHLORINAT LLONS OF CHLOR UNDS OF CHLOR	POUNDS (PER BAG) FILL MATER E ION DATE UNE	IAL EWELL W	94 AS PLUGGED
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BEC A PUBLIC OR PURAL WATER SUP IF YES, WHAT IS THE NAME OF	NEAT CEMENT BENTON H-EARLY SUL TYPE 1 CHIL AUSE OF HOOKING UP TO PLY DISTRICT?	RRY GRANI PS PELLE AMOUNT OF FILE DYES 28 M	ULAR OTHE TS L MATERIAL USED	WELL CHLORII BEFORE PLUG	CU. YDS NATED AMO GING?	8.5 RCLE ONE DE FFF /TONS UNIT USED FOR POI	EPTH TO TOP OF I IOM THE SURFACE THE CHLORINAT LLONS OF CHLOR UNDS OF CHLOR	POUNDS (PER BAG) FILL MATER E ION DATE UNE	IAL EWELL W	94 AS PLUGGED
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BEC A PUBLIC OR PURAL WATER SUP IF YES, WHAT IS THE NAME OF	NEAT CEMENT BENTON H-EARLY SLU TYPE 1 CHI CAUSE OF HOOKING UP TO PLY DISTRICT? OF THE WATER DISTRICT TELL TO 241 USING	RRY GRANL PS PELLE AMOUNT OF FILL TYES ME 8" bit - tr	ULAR OTHE TS L MATERIAL USED O	WELL CHLORII BEFORE PLUG VES DI	CU. YDS NATED AMO GING?	8.5 ACLE ONE FF /TONS UNIT USED FOR PO TAE	EPTH TO TOP OF I IOM THE SURFACE THE CHLORINAT LLONS OF CHLOR UNDS OF CHLOR	POUNDS (PER BAG) FILL MATER E ION DATE UNE	IAL EWELL W	94 AS PLUGGED
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BECA PUBLIC OR FURAL WATER SUP IF YES, WHAT IS THE NAME OF THE WAS THE WELL ABOUT THE NAME OF TH	NEAT CEMENT BENTON H-EARLY SLU TYPE 1 CHI CAUSE OF HOOKING UP TO PLY DISTRICT? OF THE WATER DISTRICT TELL TO 241 USING	RRY GRANL PS PELLE AMOUNT OF FILL TYES ME 8" bit - tr	ULAR OTHE TS L MATERIAL USED O	WELL CHLORII BEFORE PLUG VES DI	CU. YDS NATED AMO GING?	8.5 ACLE ONE FF /TONS UNIT USED FOR PO TAE	EPTH TO TOP OF I IOM THE SURFACE THE CHLORINAT LLONS OF CHLOR UNDS OF CHLOR	POUNDS (PER BAG) FILL MATER E ION DATE UNE	IAL EWELL W	94 AS PLUGGED
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BEC A PUBLIC OR RURAL WATER SUP IF YES, WHAT IS THE NAME OF THE WARKS Drill PVC W	NEAT CEMENT BENTON H-EARLY SLU TYPE 1 CHI CAUSE OF HOOKING UP TO PLY DISTRICT? OF THE WATER DISTRICT TELL TO 241 USING	RRY GRANL PS PELLE AMOUNT OF FILL TYES ME 8" bit - tr	ULAR OTHE TS L MATERIAL USED O	WELL CHLORII BEFORE PLUG VES DI	CU. YDS NATED AMO GING?	8.5 ACLE ONE FF /TONS UNIT USED FOR PO TAE	EPTH TO TOP OF I IOM THE SURFACE THE CHLORINAT LLONS OF CHLOR UNDS OF CHLOR	POUNDS (PER BAG) FILL MATER E ION DATE UNE	IAL EWELL W	94 AS PLUGGED
TYPE OF FILL MATERIAL USED GRAVEL AG-LIME SAND OTHER WAS THE WELL ABANDONED BECA PUBLIC OR FURAL WATER SUP IF YES, WHAT IS THE NAME OF THE WAS THE WELL ABOUT THE NAME OF TH	NEAT CEMENT BENTON H-EARLY SLU TYPE 1 CHI CAUSE OF HOOKING UP TO PLY DISTRICT? OF THE WATER DISTRICT TELL TO 241 USING	RRY GRANL PS PELLE AMOUNT OF FILL TYES ME 8" bit - tr	ULAR OTHE TS L MATERIAL USED O	WELL CHLORII BEFORE PLUG VES DI	CU. YDS NATED AMO GING?	8.5 ACLE ONE FF /TONS UNIT USED FOR PO TAE	EPTH TO TOP OF I IOM THE SURFACE THE CHLORINAT LLONS OF CHLOR UNDS OF CHLOR	POUNDS (PER BAG) FILL MATER E ION DATE UNE	IAL EWELL W	94 AS PLUGGED
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ENCLOSE NO FEE WITH REGISTRATION RECORD WITHIN 50 DAYS AFFED WELL COMPLETION

PERMIT NUMBER

DATE

1-27-00

PERMIT NUMBER



ABANDONMENT REGISTRATION RECORD

OFFICE USE ONLY	DATE RECEIVED
REF. NO. 204025	7
C.R. NO.	CHECK NO.
STATE WELL NUMBER	TRANSMITTAL NO.
ENTERED	APPROVED BY ROUTE

	R PUMP INSTAL								
OWNER NAME				TELEPHONE				VARIANCE NUMBER (IF APPLICABLE)	
Clean Sites, Inc.				7	703-731-1279				
OWNER ADDRESS 635 Slaters Lane	•	CITY			STATE	ZIP CODE			
CONTACT STATES S		Alexand	dria		VA	22314	WE	LL CERTIFIC	CATION NUMBER
ADDRESS OF WELL SITE (IF DIFFERENT THAN ABOVE)		CITY			STATE	ZIP CODE	(#F	APPLICABL	E)
11	st McKissock	Holden			MO	64040	ĺ		
SITE NAME	WELL NUMBER	1							DATE
Martha C. Rose Chemicals	MW203	SIGNATURE (WE							
									.
SKETCH THE LOCATION TO THE WELL INCLUDING MILE. OR HIGHWAYS	AGE ON ALL ROADS TR	AVELED FROM NE	EAREST TOWNS	LOCATION OF WELL			AR	AREA	
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FORMER USE OF WELL		ORIGINAL DRILLE	R (IF KNOWN)		DATE ORIGIN	IALLY DRILLED (I	F KNOWN)	STATIC	WATER LEVEL
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	YES A	0	BEFORE PLUGO	GING?	GAI	LLONS OF CHLOR	RINE		
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MO 786 1803 (7-97)

MISSOURI DEPARTMENT OF NATURAL RESOURCES DIVISION OF GEOLOGY AND LAND SURVEY (573) 368-2165

ABANDONMENT REGISTRATION RECORD

OFFICE USE ONLY	DATE RECEIVED						
REF. NO. 204026	1 .						
G.R. NO.	CHECK NO.						
STATE WELL NUMBER	TRANSMITTAL NO.						
ENTERED Db 2 Db 3	APPROVED BY ROUTE						

INFORMATION SUPPLIED	BY WELL OF	PUMP INST	ALLATION CO	NTRACTO						
OWNER NAME					TELEPH	ONE			ARIANCE NU	
Clean Sites, Inc.					1	703-731-	1279	(IF APPLICABLE)		LEJ
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635 Staters			1					L.		10 MION 144
***************			Alexan	dria		VA	22314	ŏ	F APPLICAB	CATION NUMBER
ADDRESS OF WELL SITE (IF DIFFERENT T	HAN ABOVE)		CITY			STATE	ZIP CODE]		
Martha C. Rose Chem Si	te 500 Wes	st McKissock	Ho1 den			МО	64040			
SITE NAME		WELL NUMBER	INFORMATION	VERIFIED BY OWN	ÆR		1			DATE
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1-27-00



ABANDONMENT REGISTRATION RECORD

OFFICE USE ONLY	DATE RECEIVED
REF. NO. 204027	
C.R. NO.	CHECK NO.
STATE WELL NUMBER	TRANSMITTAL NO.
ENTERED BL 2 BL 2	APPROVED BY ROUTE

INFORMATION SUPPLI	ED BY WELL (OR PUMP	INSTAL	LATION CO	NTRACTO						
OWNER NAME						TELEPHON	E			PIANCE N	
Clean Sites, Inc.						7	03-731-12	279	10"	AFFLICAC	CE)
OWNER ADDRESS COE CLOS	!			aty		·	STATE	ZIP CODE			
A STANKE	ers Lane	4		Alexand	ei s		VA	22314	W	LL CERTIF	ICATION NUMBER
ADDRESS OF WELL SITE (IF DIFFERE		y		CITY			STATE	ZIP CODE	(IF	APPLICAB	LE)
Martha C. Rose Chem	•	Wash Mai	V l.	1					ľ		
	31te 500	West Mc		Ho1 den			МО	64040			
SITE NAME		WELL NU		SIGNATURE (WI	ERIFIED BY OWN						DATE
Martha C. Rose Chem	icals	MW2	05	adion one (w	ELL OWNER,	X					
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FORMER USE OF WELL	4- 20-4			ORIGINAL DRILL	ER (IF KNOWN)		DATE ORIGI	NALLY DRILLED (IF KNOWN) STATIC	WATER LEVEL
HAND DUG	IRRIGATION		1				1 .			10.	08 TOC
DOMESTIC	SOIL BORING	ne er en er er er er er er er er er er er er er	2	DEPTH OF THE V	WELL	LENGTH OF	CASING	CASING DIAME	TER	DRILL HO	E DIAMETER: 3-
MULTI-FAMILY	MONITORING			15 feet		71.4 feet 2"				(IF KNOWN) 611 111 THEAST	
PUBLIC WATER SUPPLY		ATODY TEST	NOTE:	DI IMP DEMOVE	SDOM WELLS:			F THREE FEET	1	PE OF CASING PORT TO PERSONAL	
1	OTHER.	WIONT-1EST		YES	, riom wells		OUND SURFAC			PLASTIC CONCRETE	
HEAT PUMP		·- ·	:	□ NO		YES D				STEEL OTHER	
GROUT INSTALLATION METHOD	GROUT MATERIAL L							WATER MIXED	NUMBER	MBER OF BAGS OF	
P[_	NEAT CEMENT E	BENTONITE	C/B G	rout		PER BAG O	F CEMENT OR	BENTONITE?	GROUT	NOUTUSED 1 cement 1bs. Bentonite	
GRAVITY		XI SLURRY	☐ GRAN	ULAR COTH	ER 8.5					UNDS OF GROUT	
TREMIE	l	CHIPS	☐ PELLE				0.5		PER BAG	1	
	LA ITPET							·	<u> </u>		94
TYPE OF FILL MATERIAL USED		AM	OUNT OF FIL	L MATERIAL USE	D	CI		EPTH TO TOP OF I		RIAL	
GRAVEL AG-LIME						CU. YDS	1	NOW THE SURFAC	·C		
SAND OTHER	WISE OF HOOVING	l			Tuest our on			R THE CHLORINAT	T		
WAS THE WELL ABANDONED BEC A PUBLIC OR RURAL WATER SUPI		UP 10 □ YI	ES K∐N	o	BEFORE PLUC			H THE CHLOHINAT VLLONS OF CHLOF		I E WELL I	NAS PLUGGED
IF YES, WHAT IS THE NAME O				·	1			OUNDS OF CHLOR			
					YES 🖸	NO		BLETS OF CHLOR		1-24-0	0
REMARKS					REASON WEL	I WAS DILLIC					
Pulled well v	vithout drill	ing - Tr	emie ara	outed	THE WALL	1.FAG					
	· · · · · · · · · · · · · · · · · · ·										
from 15 feet to s	surface - Cap	ed with	<u>native</u> s	oil.	<u> </u>	No long	er needed	d			
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I HEREBY CERTIFY THAT THE WEI	I HEREIN GEGODIDI	ED WAS DIT	CCED IN AC	YORDANCE WITH	THE DEDARTM	ENT OF MATH	DAI DECOUR	TEQ OEA! HOELES	TE EAR T	NE 64 11/24	INC OF VET I C
THE WEI			IN ALI			ENI OF NAIU	nvi. neactifi	veo neguiremen	iia FUK II	nc ruudi	sing of Wells.
	TOR)	1.5	ERMIT NUMI	ED e	GNATURE (CON	DACTOR .	$\overline{}$	DCD4	T NUMBER		DATE

DISTRIBUTION: WHITE/DIVISION CANARY/CONTRACTOR PHILOWINER
MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES, PR. BOX 250, ROLLA, MO 65402
ENCLOSE NO FEE WITH REGISTRATION PECOPO WITHIN 50 DAYS AFTER WELL COLUMN STORY

1-31-00



MO 7805/603 (7-87)

MISSOURI DEPARTMENT OF NATURAL RESOURCES DIVISION OF GEOLOGY AND LAND SURVEY (573) 368-2165

ABANDONMENT REGISTRATION RECORD

OFFICE USE ONLY	DATE RECEIVED
REF. NO. 204028	<u> </u>
C.R. NO.	CHECK NO.
STATE WELL NUMBER	TRANSMITTAL NO.
ENTERED	APPROVED BY ROUTE

									11				
INFORMATION SUPPLI	ED BY WELL O	R PUN	IP INSTAL	LATION C	ON	TRACTOR							
OWNER NAME			_ -	·			TELEPHON					VARIANCE NUMBER (IF APPLICABLE)	
Clean Sites, Inc.				Torry			703	-731-1279	1 TO COOL				
	ers Lane	u.		CITY		•_		STATE	ZIP CODE	ļ.	NEIL CERT	CATION NUMBER	
XXBXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		8	·	Alexa	ndi	ria		VA 22314			(IF APPLICABLE)		
ADDRESS OF WELL SITE (IF DIFFERE			****										
Martha C. Rose Che	m Site 500 N	WELL N	čKi ssock	Ho1de		RIFIED BY OWN	ER .	МО	64040			DATE	
Martha C. Rose Che	micals	MW2		SIGNATURE		CHARLETTA	X						
SKETCH THE LOCATION TO THE		1	· -	AVELED FROM	4 NE			OF WELL	.	-		L	
OR HIGHWAYS	The interest of the same						· 	_		_ '	AREA		
							LAT	`		E	LEV		
							LONG				COUNTY	lohnson	
								SMAL	LEST			ARGEST	
See	Attached							_SW	×	SE	_×	NE ×	
							SEC	10 7	45N		Dug 2	.8W	
							SEU.		WN. — 7314 ·	— N	RNG. ——	E OR W	
DESCRIBE LOCATION OF THE WE	LL SO WE WOULD BE	ABLE TO \	VISIT THE WELL	LSITE		DRILLER	NOTES:	ar i i ing i ing i ing ing ing ing ing ing		. 394.	.1		
		· · · · · ·	••••					See B	e I OW	<u></u>	 		
													
		·	AD	MOONNE	AIT	INFORM/	TION	17.63			ing side		
	3:	•	ADA				AIION						
FORMER USE OF WELL	_			ORIGINAL DR	ILLEF	R (IF KNOWN)		DATE ORIGIN	MALLY-DRILLED (IF KNOW	. 1	WATER LEVEL	
	IRRIGATION SOIL BORING			DEPTH OF TH		ELL : II	151071.05	040000	T 0.0000 00.00).10'TOC	
I	MONITORING	n best And	a			ELL:		CASING :	CASING DIAME	TER .	(IF KNOW	E DIAMETER '	
PUBLIC WATER SUPPLY:				14 Fe		TOCAL MET US				l'marc'c	<u> </u>	. 6" *******************************	
	OTHER		SI HULE	D YES		the second secon					CONCRETE		
				□ NO			□YES C	NO .	***	STE		OTHER	
GROUT INSTALLATION METHOD	GROUT MATERIAL U		. C/B Gro					GALLONS OF V		NUMBE	R OF BAGS	OF Cement	
GRAVITY		ENTONITE	_							BOUTUSED 2 Cement 0 lbs. Bentonite			
☑ TREMIE	1 = = =	SLURRY	7 ☐ GRAN		THEF	a	1				OUNDS OF GROUT ER BAG		
TYPE OF FILL MATERIAL USED	X TYPE 1	CHIPS	MOUNT OF FIL		CED	1	CIRCLE ONE DEPTH TO TOP OF FILE				94		
GRAVEL GAG-LIME		^	MOUNT OF FIL	T MAI ENIAL U	معد		u		ROM THE SURFAC		EMIAL		
SAND OTHER		l					CU. YDS	SNOT					
WAS THE WELL ABANDONED BEC		PTO C	YES DAN		T	WELL CHLORS BEFORE PLUG			R THE CHLORINAT		XIE METT	NAS PLUGGED	
IF YES, WHAT IS THE NAME O			, w W (<u>~</u>	\dashv				LLONS OF CHLOR UNDS OF CHLOR	1			
				•		YES A	NO		BLETS OF CHLOR		1-21-0	00	
REMARKS	33.4.44.4		en		一	REASON WELL	L WAS PLUG						
Drill out w	ell to 16 fee	t usin	g 6" bit	- tremie		 					_		
grouted wit	h cement Bent	onite	grout to	surface.	I	No 1d	nger ne	eded.					
Canad with	native soil.										-		
Caped With	HELIVE SOIL.				\dashv								
					\perp								
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I HEREBY CERTIFY THAT THE WE	LL HEREIN DESCRIBEI	D WAS PL	LUGGED IN AC	CORDANCE W	тнт	HE DEPARTME	INT OF NATU	RAL RESOURCE	ES REQUIREMEN	NTS FOR	THE PLUGO	BING OF WELLS.	
		-											
SIGNATURE (PRIMARY CONTRAC	1911)		PERMIT NUME	DELL	-	MOTORE (CONT	والمراوحة	۸.۱	MEHMI	T NUMBE	:rl	DATE	

DISTRIBUTION: WHITE/DIVISION CAMARY/CONTRACTOR PROGRAMER
MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES, PO. SOX 250, POLIA, MO 65402
ENCLOSE NO FEE WITH REGISTRATION RECORD WITHIN SO DAYS AFTER WELL COMPUTETORY

1-31-00



SIGNATURE (PRIMARY CONTRACTOR)

MO 780 9603 (7-97)

L. Kidwell

MISSOURI DEPARTMENT OF NATURAL RESOURCES DIVISION OF GEOLOGY AND LAND SURVEY (573) 368-2165

ABANDONMENT REGISTRATION RECORD

OFFICE USE ONLY	DATE RECEIVED	
REF. NO. 204001	1	
C.R. NO.	CHECK NO.	_
STATE WELL NUMBER	TRANSMITTAL NO.	
ENTERED	APPROVED BY ROUTE	-

REGISTR	ATION RECO	ORD ·	ENTERED Ph 1	Ph 2	Ph 3	APPRO	ED BY		ROUTE /		
INFORMATION SUPPLI	ED BY WELL O	R PUMP INSTAL		TRACTOR	1		······································	····			
OWNER NAME					TELEPHON	Ē.			VARIANCE NUMBER		
Clean Sites, Inc.					703	-731-127	9	10	IF APPLICABLE)		
			Cmy			STATE	ZIP CODE	\dashv			
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	ters Lane	•	Alexand	Iria	VA 22314			. ⊢v	WELL CERTIFICATION NUMBER		
ADDRESS OF WELL SITE (IF DIFFERE			CITY	STATE ZIP CODE					IF APPLICABLE)		
Martha C. Rose Chem	· · · · · · · · · · · · · · · · · · ·	st McKissock	Ho1den			МО	64040	ł			
SITE NAME		WELL NUMBER		ERIFIED BY OWN!	ER	1	1		DATE		
Martha C. Rose Chem	icals	MW207	SIGNATURE (WE								
			AVELED EDOLGAN	ADECT TOWNS	LICOMON	CEWELL					
SKETCH THE LOCATION TO THE V	WELL INCLUDING MILE	AGE ON ALL HOADS IN	AVELED PHOM NO	EAMEST TOWNS	LOCATION	OF WELL		- 4	AREA		
					LAT.	_ :	<u> </u>	-	ELEV		
.]					1			. F	labores		
 					LONG	<u> </u>		<u> </u>	COUNTY Johnson		
	A.				1	SMAL SW	LEST	SE	LARGEST NE		
See	Attached						×·	<u> </u>	_XX		
il au					SEC	10 1	WN 45N	M·	RNG. 28W E OR W		
							WN.	—- N	NNG E ON W		
DESCRIBE LOCATION OF THE WEI	LL SO WE WOULD BE A	BLE TO VISIT THE WELL	SITE	DRILLERN	NOTES: "	2900 Na					
	····		•		 						
						See B	elow				
											
57											
	* 1	ABA	ANDONMENT	T INFORMA	ATION	11.21	1.5	• 7	AND DESCRIPTION		
FORMER USE OF WELL			ORIGINAL DRILLE	R (IF KNOWN)	.,. ,	DATE ORIGI	NALLY DRILLED	(IF KNOW	N) STATIC WATER LEVEL		
• 1	IRRIGATION			,					9.26 TOC		
DOMESTIC		Transport of the Control of the Cont	DEPTH OF THE W	FB/mosuva v	LENGTH OF	CASING (NO.)	CASING DIAM	ETER	DRILL HOLE DIAMETER		
	MONITORING	,	14 Feet	1019 Feet approx 2" (IF KNOWN)					(IF KNOWN)		
D. PUBLIC WATER SUPPLY		TOP TEST NO EN A	PUMP REMOVED					TYPE	OF CASING THE PROPERTY COLORS		
	OTHER		YES :						ASTIC CONCRETE		
29 129			□ NO		YES X	NO_	:	□ sπ	EEL WOTHER Stainle		
GROUT INSTALLATION METHOD	GROUT MATERIAL US					BALLONS OF		NUMBE	ROFBAGS OF Steel rusen 2 Cement os. Bentonite		
GRAVITY	NEAT CEMENT BE	NTONITE C/B Gro	out		PEH BAG OF	CEMENT OR	BENTONITE?	GBOY!	os. Bentonite		
TREMIE	☐ HI-EARLY 🔻	SLURRY GRAN	ULAR 🗆 OTHE	R .	,	8.5	•	POUND	S OF GROUT		
LO THEMIE	☑ TYPE 1 □	CHIPS PELLE	TS			0.5		PER BA	I BAG 94		
TYPE OF FILL MATERIAL USED		AMOUNT OF FIL	L MATERIAL USED	,	CII	RCLE ONE D	EPTH TO TOP OF	FILL MAT	ERIAL		
GRAVEL AG-LIME							ROM THE SURFA	CE			
SAND OTHER		\			CU. YDS		•		······		
WAS THE WELL ABANDONED BEC A PUBLIC OR RURAL WATER SUPP		°TO □YES □ N	0	WELL CHLORIN BEFORE PLUG			R THE CHLORINA	i i	DATE WELL WAS PLUGGED		
IF YES, WHAT IS THE NAME O				·			LLONS OF CHLO UNDS OF CHLO				
				TYES 1	NO		BLETS OF CHLO	. 1	1-21-00		
REMARKS				REASON WELL	WAS PLUG						
Drilled ou	it well to 14 f	feet - Cement B	Bentoni te	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
Canada via tarria	Grouted via tremie to surface. Caped with native soil.										
droated via tremie		NO 10	onger nee	aea		·····					
		<u>·</u>									
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I HEREBY CERTIFY THAT THE WEI	LL HEREIN DESCRIBED	WAS PLUGGED IN ACC	CORDANCE WITH	THE DEPARTME	ENT OF NATU	RAL RESOURC	CES REQUIREME	NTS FOR	THE PLUGGING OF WELLS.		

PERMIT NUMBER

SIGNATURE (CONTRACTION)

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MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES, PO/BOX 250, POLLA, MO 66402

ENCLOSE NO FEE WITH REGISTRATION RECORD WITHIN 50 DAYS AFFED WELL COMPLETION

DATE

1-31-00

PERMIT NUMBER



MISSOURI DEPARTMENT OF **NATURAL RESOURCES DIVISION OF GEOLOGY AND LAND SURVEY** (573) 368-2165

ABANDONMENT

OFFICE USE ONLY	DATE RECEIVED
REF. NO. 204003	7 ,
C.R. NO.	CHECK NO.
STATE WELL NUMBER	TRANSMITTAL NO.
ENTERED Ph 2 Ph 3	APPROVED BY ROUTE

REGISTR	ATION RECO	ORD	ENTERED Ph 1	Ph 2	Ph 3	APPROV	ÆD BY		ROUTE	
INFORMATION SUPPLI	ED BY WELL O	R PUMP INSTAL					ــــــــــــــــــــــــــــــــــــــ			
OWNER NAME	LD D: WLLE O	11101111111011111			TELEPHONE				ARIANCE NU	
Clean Sites, Inc.	•				703	3-731-127	9	(0)	F APPLICABL	E)
OWNER ADDRESS 635 Slat	ers Lane		СПҮ			STATE	ZIP CODE			
CHECKER SERVER S			Alexan	dria		VA	22314	W	F APPLICABL	CATION NUMBER
ADDRESS OF WELL SITE (IF DIFFERE	ENT THAN ABOVE)		СПҮ			STATE	ZIP CODE	,,,		
Martha C. Rose Chem	n Site 500 V	West McKissock	Ho1 den			MO	64040)		
SITE NAME	SIGNATURE OF									DATE
Martha C. Rose Chem		MW208			<u> </u>					
SKETCH THE LOCATION TO THE V	WELL INCLUDING MILE	AGE ON ALL ROADS TRA	AVELED FROM N	EAREST TOWNS	LOCATION	OF WELL		A	REA	
					LAT.	•	- <i>'</i>	— E	LEV	
					LONG.	•	•	- [OUNTY _	Johnson
					LONG.	SMAI	LEST	<u> </u>		RGEST
) See	Attached					S		SE	.∡ Ni	
						10	/FN		201	<u> </u>
		. "			SEC.	10 7	WN. 45N	N F	RNG	E OR W
DESCRIBE LOCATION OF THE WE	LL SO WE WOULD BE A	BLE TO VISIT THE WELL	SITE	DRILLER K	OTES:				. '	in the second
	·	· · · · · · · · · · · · · · · · · · ·		_}				-		
						See B	elow			
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	-	ABA	NDONMEN	T INFORMA	ATION	: :			.à.₹:	* 1,7
FORMER USE OF WELL	gar Service and great and a		ORIGINAL DRILLE	R (IF KNOWN)		DATE ORIGI	NALLY DRILLE	D (IF KNOW)	N) STATIC	WATER LEVEL
☐ HAND DUG [☐ IRRIGATION			**		1			See	below
DOMESTIC	SOIL BORING	र्मा अस्ति । स्थापना विकास ।	DEPTH OF THE W	ELEC 18 - > 1	LENGTH OF	CASING	CASING DIA	METER		E DIAMETER
MULTI-FAMILY	MONITORING				5 Feet	approx	2"	İ	(IF KNOWN	. On the care
PUBLIC WATER SUPPLY	MINERAL EXPLORA		PUMP: REMOVED							
☐ HEAT PUMP	OTHER.		ØYES □ NO	erici i e e e e e e			E7	IX PLAS		ONCRETE
GROUT INSTALLATION METHOD	GROUT MATERIAL US		<u>□ NO</u>	HOW MANY CALLONG OF WATER MIVED. MILIN			All IMPER	IBED OF BACO OF		
	NEAT CEMENT BE	NTONITE C/B	Grout	PER RAGIOS CEMENT OR RENTONITE? GROUT USED			used 1 bs. Ben	Cement		
GRAVITY	☐ HI-EARLY 【☐	SLURRY GRANG	JLAR 🔲 OTHE	R					S OF GROU	
TREMIE	XX TYPE 1 □	CHIPS PELLE	TS			8.5		PER BA	G	94
TYPE OF FILL MATERIAL USED		AMOUNT OF FILL	MATERIAL USE)	CIF		EPTH TO TOP		ERIAL	
GRAVEL AG-LIME		}			CU. YDS	1	ROM THE SUR	FACE		
SAND OTHER	AUSE OF HOOKING UP			WELL CHLORIN			R THE CHLORU	NATION D	ATE WELL W	AS PLUGGED
A PUBLIC OR RURAL WATER SUP		YES X N)	BEFORE PLUG			LLONS OF CH			
IF YES, WHAT IS THE NAME O	OF THE WATER DIST	RICT:		UYES DI	wo		UNDS OF CHL		1-18-00	
			·····				BLETS OF CHL	ORINE .		
REMARKS Well wa	s broken off a	nd bent too mu	ch 🚞	REASON WELL	L WAS PLUGG	iED	_			
to get probe in hol				· ·	No 10-	ABB 555			· <u> </u>	
		 	140 100	ger need	<u></u>					
8 feet using 6" bit			_							
tremie to surface -										
			 							
							·			
			·····					<u>. </u>		
I HEREBY CERTIFY THAT THE WE	LL HEREIN DESCRIBED	WAS PLUGGED IN ACC	ORDANCE WITH	THE DEPARTME	NT OF NATUR	RAL RESOURCE	ES REQUIREM	MENTS FOR 1	THE PLUGG	ING OF WELLS.
SIGNATURE (PRIMARY CONTRAC	TORN	PERMIT NUMB	ED law	MATTHEW ACCOUNT	BACTOEN	$\overline{}$	per	DAT NI MRE	. п	DATE

MO 786-1803 (7-97)

PERMIT NUMBER

O 3466WM X David Video

MO 786-1803 (7-97)

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1-31-00



MO 780 7803 (7-97)

MISSOURI DEPARTMENT OF NATURAL RESOURCES DIVISION OF GEOLOGY AND LAND SURVEY (573) 368-2165

ABANDONMENT REGISTRATION RECORD

OFFICE USE ONLY	DATE RECEIVED					
REF. NO. 204029	7 .					
C.R. NO.	CHECK NO.					
STATE WELL NUMBER	TRANSMITTAL NO.					
ENTERED	APPROVED BY ROUTE					

REGISTI	INTION TIES)	Ph 1	Ph 2	Ph 3					
INFORMATION SUPPLI	ED BY WELL O	R PUMP INSTA	LLATION CO	NTRACTOR						
OWNER NAME					TELEPHON				ANCE NUM PPLICABLE	
Clean Sites, Inc.					703-	731-1279				•
OWNER ADDRESS 635 Slat	ers Lane		СПҮ			STATE	ZIP CODE	<u></u>		
KKARXMXXMRKKKRXXRRX	(XXXX&XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		Alexan	dria		VA	22314	WELL (IF A	L CERTIFICA PPLICABLE)	NTION NUMBER
ADDRESS OF WELL SITE (IF DIFFERI	•		CITY			STATE	ZIP CODE			
Martha C. Rose Chem	Site 500 We	st McKissock	Ho1d		· —	MO	64040			
SITE NAME		WELL NUMBER	INFORMATION SIGNATURE (W	VERIFIED BY OWN					D	ATE
Martha C. Rose Chem		MW209			<u> </u>					
SKETCH THE LOCATION TO THE	WELL INCLUDING MILE	AGE ON ALL ROADS T	RAVELED FROM N	NEAREST TOWNS	LOCATION	OF WELL		ARE	Α	
OR HIGHWAYS					LAT.	_•		ELE	3/	
						_				Johnson
					LONG.	<u> </u>		col	JNTY	
· .	Attached		-			SMAL SW				RGEST
See	. Mitached					_3#	×	<u>SE</u> x	NE_	×
				•	SEC.	10	wn. 45N	N RN	G281	E OR W
	· · · · · · · · · · · · · · · · · · ·									Contract Contract Services
DESCRIBE LOCATION OF THE WE	LL SO WE WOULD BE A	ABLE TO VISIT THE WE	LL SITE .	DRILLER	NOTES:			तार चन्द्र हैं	:40°611	"de sil
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		· -,,-, ·				See Be	low			
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g		, AP	ANDONMEN	IT INFORM	ATTON				••	. :
5001501105 0511051	· —						IALLY DRILLED (
FORMER USE OF WELL	_	-	ORIGINAL DHILL	LER (IF KNOWN)	*	DATE CHIGH	CALLY DRILLED (IF KNOWN)		ATER LEVEL
DOMESTIC	IRRIGATION		DETTI OF THE	IAST I	1 ENOTH OF	040000	LOLONIO DIAME	Tar		
	MONITORING	•	DEPTH OF THE	METERIA		et appro	CASING DIAME		EKNOWN)	DIAMETER 1999
	LAI MONITORING MINERAL EXPLORA	i	PUMP REMOVE				THREE FEET	l'		AND SECTION AND ADDRESS.
7	OTHER		D YES			UND SURFACE				NCRETE
LI HEALPUMP	U OTHER		□ NO		☐ YES 【☐ NO ☐ S				c ⊟α ⊡oπi	
GROUT INSTALLATION METHOD	GROUT MATERIAL US	SED				SALLONS OF V				
GRAVITY	NEAT CEMENT BE	NTONITE C/B	Grout	PER BAG OF CEMENT OR BENTONITE? GROUT U			NUMBER OF	. Bent	ment onite	
☑ TREME	HI-EARLY 1	SLURRY GRA	NULAR OTH	IEA		8.5		POUNDS OF GROUT		
	TYPE 1	CHIPS PELL	ETS					PER BAG	9	
TYPE OF FILL MATERIAL USED		AMOUNT OF F	ILL MATERIAL USE	ED .	CIF		PTH TO TOP OF		AL.	
GRAVEL AG-UME					CU. YDS	3	NOM THE SURFAC	E		
SAND OTHER	CAUSE OF HOOKING HE	<u></u>	•	WELL CHILOPI			R THE CHLORINAT	ION I DATE	WELL WAS	S PLUGGED
A PUBLIC OR RURAL WATER SUP	PLY DISTRICT?	YES 🔼	NO	BEFORE PLUG			LLONS OF CHLO			
IF YES, WHAT IS THE NAME O	OF THE WATER DIST	RICT:		UYES D		PO	UNDS OF CHLOR	INE	1-21-00	
							ILETS OF CHLOR	INE		
REMARKS Drilled we	ell out to 17 f	eet using 6"	hit -	REASON WEL	L WAS PLUGG	RED				
tremie grouted with	cement Benton	ite grout to	surface			No 1o	nger neede	i		
caped with native s	anil.			1						
3-p-3 (ii) iii (ii) V (ii)										
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I HEREBY CERTIFY THAT THE WE	LL HEREIN DESCRIBED	WAS PLUGGED IN A	CCORDANCE WITH	THE DEPARTME	ENT OF NATU	RAL RESOURCE	ES REQUIREMEN	ITS FOR THE	E PLUGGIN	G OF WELLS.
SIGNATURE (PRIMARY CONTRAC		PERMIT NUM								
I WARE THE ART COM I KAC	nunj ,	PERMINUA	19En 1	IGNATURE (CONT	The state of	7 \	PERM	T NUMBER	10	ATE

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MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES, RO'S BOX 250, ROLLA, MO 65402
ENCLOSE NO EEE WITH DEGISTRATION BECORD WITHIN AC DAYS AFTER WELL COMPLETION

1-31-00



MISSOURI DEPARTMENT OF **NATURAL RESOURCES DIVISION OF GEOLOGY AND** LAND SURVEY (573) 368-2165

ABANDONMENT REGISTRATION RECORD

OFFICE USE ONLY	DATE RECEIVED						
REF. NO. 204030							
C.R. NO.	CHECK NO.						
STATE WELL NUMBER	TRANSMITTAL NO.						
ENTERED Ph 2 Ph 3	APPROVED BY ROUTE						

INFORMATION SUPPLI	ED BY WELL O	R PUMP INSTAL	LATION CO	NTRACTO	4					
OWNER NAME				TELEPHONE				VARIANCE NUMBER (IF APPLICABLE)		
Clean Sites, Inc.					703	-731-1279				
OWNER ADDRESS 635 Slat	ers Lane		СПУ			STATE	ZIP CODE		···-	
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXX		Alexan	dria		VA	22314		LL CERTIFICATION NUMBER APPLICABLE)	
ADDRESS OF WELL SITE (IF DIFFERE	•		СПУ			STATE	ZIP CODE	1		
Martha C. Rose Chem	31 te 500	West McKissock	Ho1den	ERIFIED BY OWN	ro	MO	64040		DATE	
SITE NAME			SIGNATURE (WE		χ .				DAVE	
Martha C. Rose Chem		MW210	WELED EDOM N			OFWEL				
OR HIGHWAYS	VELL INCLUDING MILE	EAGE ON ALL HOADS IF	WASTED LHOW VI	EAREST TOWN				AF	REA	
·					LAT	_ '	_	EL	EV	
	•				LONG.	•	•	~ [OUNTY Johnson	
					20110	SMAL	LEST		LARGEST	
See	Attached					S		SE	x NE x	
	necocnou					10	4EN		20W	
	EG				SEC.	1	WN. 4514	N R	NG. <u>28W</u> E OR W	
DESCRIBE LOCATION OF THE WEL	L SO WE WOULD BE.	ABLE TO VISIT THE WEL	LSITE	DRILLER	NOTES:	oh fall-vari	- W +31 (LA) 1 ×	1. 123	Res Action 18 14	
	##F**	,,				 			· · · · · · · · · · · · · · · · · · ·	
		,				See Bo	elow			
		ar present a comment			· · · · · · · · · · · · · · · · · · ·	\				
										
· ·			ANDONMEN	T INFORM	ATION	• • • • • • • • • • • • • • • • • • • •	10.00		of the day week to	
FORMER USE OF WELL		arrang gg - ren rus ru	ORIGINAL DRILLI			DATE ORIGI	VALLY DRILLED.(IF KNOWN	STATIC WATER LEVEL	
	IRRIGATION			1.5		<u> </u>			13.18 TOC	
D DOMESTIC			DEPTH OF THE V	, .				TER	DRILL HOLE DIAMETER	
1	MONITORING (A)			t · · · .	11.7		2" "	l.	IF KNOWN) 611	
PUBLIC WATER SUPRLY			PUMP REMOVED YES		WAS THE CA	ASING CUT-OFF DUND SURFACE	THREE FEET ?"		CASING TO STATE OF THE STATE OF	
HEAT PUMP	OTHER		□ NO	Acraeline agreement	□YES K	l NO			L OTHER	
GROUT INSTALLATION METHOD	GROUT MATERIAL U			HOW MANY GALLONS OF WATER MIXED NUMBER OF R			OF BAGS OF			
GRAVITY	NEAT CEMENT BE	TATOMICE.	B Grout	PER BAG OF CEMENT OR BENTONITE? GROUT U			TUSED 1 Cement bs. Bentonite			
TREMIE			ULAR OTH	:R		POL			OF GROUT	
	TYPE1	CHIPS PELLE	ets					PER BAG 94		
TYPE OF FILL MATERIAL USED		AMOUNT OF FIL	L MATERIAL USE	D CIRCLE ONE DEPTH TO TOP OF FILL MATERIA FROM THE SURFACE			RIAL			
GRAVEL AG-LIME					CU. YDS	•	TOM THE SURPAC	Æ		
WAS THE WELL ABANDONED BEC	AUSE OF HOOKING U	PTO	····	WELL CHLORE	NATED AMO		R THE CHLORINAT	TON DA	TE WELL WAS PLUGGED	
A PUBLIC OR RURAL WATER SUPP			10	BEFORE PLUGGING? GALLONS OF CHIL				RINE		
IF YES, WHAT IS THE NAME O	FTHE WATER DIST	RICT:		YES X NO POUNDS OF CHLOR					1 1-26-00	
REMARKS				REASON WEL			SLETS OF CHLOR	INE		
Pulled well	with out dri	Illing - Tremie	d with	NEASON WEL	L WAS FLUG	GED				
cement/Bentonite Gro	ut to and		• •			No Tor	nger needed	1		
Comercy Deficult Le Gr	oc to surrace	- caped with	native				.90		·	
soil.										
1						•				
										
LUEDEN AFRICA TO THE TOTAL	I UEDEN DECEN	n 1940 Britanes				BAL BERGE				
I HEREBY CERTIFY THAT THE WEL	1 REHEN DESCRIBE	WAS PLUGGED IN AC	CURDANCE WITH	THE DEPARTM	ENT OF NATU	HAL RESOURC	ES REQUIREMEN	NTS FOR TI	HE PLUGGING OF WELLS.	
SIGNATURE (PRIMARY CONTRACT	A .	PERMIT NUM	1	CHATRIBE (CON	PACTOR)		PERM	TNUMBER	DATE	
X Lessica	. Kidur			penu	N Tall	2	0010	80 PM	1-31-00	
MO 780/2603 (7-97)	W	DISTRIBUTION: AIL WHITE COPY TO: DEPA	WHITE/DIVISION C	ARARY/CONTRA	PO BOX 250	WNER ROLLA MORSA	ne .			

DISTRIBUTION: WHET/DIVISION CARRY/CONTRACTOR PUBLICOWNER
MAIL WHITE COPY TO DEPARTMENT OF NATURAL RESOURCES, P.O. BOX 250, ROLLA, MO 85402
ENCLOSE NO FEE WITH REGISTRATION RECORD WITHIN 80 DAYS AFTER WELL COMPLETION



MO 780-4603 (7-97)

MISSOURI DEPARTMENT OF NATURAL RESOURCES **DIVISION OF GEOLOGY AND** LAND SURVEY (573) 368-2165

ABANDONMENT

OFFICE USE ONLY	DATE RECEIVED	
REF. NO. 204031	7	
C.R. NO.	CHECK NO.	
STATE WELL NUMBER	TRANSMITTAL NO.	-
ENTERED	APPROVED BY ROUTE	-

REGISTR	ATION RECO	ORD	•	ENTERED Ph 1	Ph 2	Ph 3	APPROVED BY			ROUTE /		
INFORMATION SUPPLI	ED BY WELL O	R PUM	P INSTAL							<u> </u>		
OWNER NAME					·	TELEPHON	E			VARIANCE N		
Clean Sites, Inc.	<u></u>	<u>.</u>				703-7	731-1279	T		(
	ters Lane			CITY			STATE	ZIP CODE 2231	,	WELL CERT	IFICATION NUMBER	
ADDRESS OF WELL SITE (IF DIFFERE				Alexa	10118		STATE	ZIP CODE	-	(IF APPLICA		
	•				•				ا ،			
Martha C. Rose Chem	Site 500 We	WELL N		Holder INFORMATION	1 VERIFIED BY OWN	ER	MO	6404	<u> </u>		DATE	
Martha C. Rose Chem	icals	MW2	11	SIGNATURE (M	ELL OWNER)	Χ						
SKETCH THE LOCATION TO THE		AGE ON	ALL ROADS TR	AVELED FROM	NEAREST TOWNS	LOCATION	OF WELL			AREA		
OR HIGHWAYS						LAT	_•	_·		ELEV		
J							•		_		lobraca	
						LONG.					Johnson	
See	Attached						SMAL SW	LESI K	SE	, N	LARGEST E	
						ł	10			_ ^		
	A 15	4	i je se se se se se se se se se se se se se			SEC.	- ''' T	wn. — 45	N	RNG.	E OR W	
DESCRIBE LOCATION OF THE WE	LL SO WE WOULD BE A	BLE TO V	ISIT THE WELL	LSITE	DRILLER	NOTES:			, .		A	
	 	,	:				·		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
					- 		 •		<u> </u>	<u> </u>		
	· - · · · · · · · · · · · · · · · · · ·										<u></u>	
					NT INFORM	ATION						
FORMER USE OF WELL	IRRIGATION	******* 12		ORIGINAL DRIL	LER (IF KNOWN)		DATE ORIGIN	IALLY DRILL	ED (IF KNO)	'	IC WATER LEVEL 4	
DOMESTIC NAME OF THE PARTY OF T			300.00	DEPTH OF THE	wen l	I ENGTH OF	CASING	CASING DI	AMETER		XE DIAMETER	
1 (MONITORING			16 Feet		LENGTH OF CASING CASING DIAMETER 13 Feet approx 2"				N) 6"		
PUBLIC WATER SUPPLY		_	THOUS -	PUMP REMOVE					OF CASING	LEGISLA WATE		
☐ HEAT PUMP (OTHER		<u> </u>	₹ YES						CONCRETE		
GROUT INSTALLATION METHOD	GROUT MATERIAL US	ED		□ NO		U YES INO STEEL HOW MANY GALLONS OF WATER MIXED NUMBER OF			REPL L	OTHER		
1		NTONITE	C/B Gr	out		PER BAG OF CEMENT OR BENTONITE? GROUT USED 3 15 1bs. B						
GRAVITY IX TREMIE	☐ HI-EARLY ☐	SLURRY			IER .				POUN	DS OF GROUT		
	☑ TYPE 1 □	CHIPS	PELLE	:TS		8.5 PER I				BAG 94		
TYPE OF FILL MATERIAL USED		A	MOUNT OF FIL	L MATERIAL US	ED	CI		PTH TO TOP		TERIAL	· · · · · · · · · · · · · · · · · · ·	
GRAVEL AG-LIME		_				CU. YDS		- TIL 00				
WAS THE WELL ABANDONED BEC					WELL CHLORE	NATED AMC	OUNT USED FOR	THE CHLOF	RINATION	DATE WELL	WAS PLUGGED	
A PUBLIC OR RURAL WATER SUPI			YES 🔼 N	Ю	BEFORE PLUG			LLONS OF CH UNDS OF CH	1			
					□ ves Ø	NO		LETS OF CH		1-19	-00	
REMARKS Drilled out	well to 19 fe	et us	ina 6" bi	t -	REASON WEL	L WAS PLUG	GED				·····	
						No. 1	longer nee					
	tremie grouted to surface with cement Bentonite grout -					110	ionger nee	deu.	· · · · · · · · · · · · · · · · · · ·			
caped with native soil.							<u> </u>					
												
									,			
			-				-					
I HEREBY CERTIFY THAT THE WE	LL HEREIN DESCRIBED	WAS PL	UGGED IN AC	CORDANCE WITH	H THE DEPARTME	NT OF NATU	RAL RESOURCE	ES REQUIRE	EMENTS FOI	R THE PLUG	IGING OF WELLS.	
SIGNATURE (PRIMARY CONTRAC	TOR)		PERMIT NUME	BER 1	HENTHE (CONT	BACTORO, (PE	RMIT NUME	BER	DATE	

DISTRIBUTION: WHITE/DIVISION CAMAR/CONTRACTOR/PINKOWNER
MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES, PO. BOX 250, ROLLA, MO 65402
ENCLOSE NO FEE WITH REGISTRATION RECORD WITHIN AN DAYS AFTER WELL COMPLETION

1-31-00



MISSOURI DEPARTMENT OF **NATURAL RESOURCES DIVISION OF GEOLOGY AND** LAND SUBVEY

OFFICE USE ONLY	DATE RECEIVED
REF. NO. 204032	
C.R. NO.	CHECK NO.
STATE WELL NUMBER	TRANSMITTAL NO.
ENTERED Ph 2 Ph 3	APPROVED BY ROUTE

CAND GON				C.n. 110.			JOILEON.				
(573) 368-2				STATE WE	VELL NUMBER TRANSMITTAL NO.						
ABANDO				ENTERED		ADDDOV	APPROVED BY ROUTE				
REGISTE	RATION RE	CORD		Ph 1	Ph 2	Ph 3	AFROV			/	/
INFORMATION SUPPL	ED BY WELL	OR PU	MP INSTAL	LATION CO	NTRACTOR	3					
OWNER NAME						TELEPHONI	E			VARIANCE N	
Clean Sites, Inc.	· · · - · · · · · · · · · · · · · · · ·					703-	731-1279	T		127	
	ers Lane			СПҮ			STATE	ZIP CODE	ļ	137	
CARXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		QQ		Alexan	dria		VA	22314	<u> </u>	(IF APPLICA	IFICATION NUMBER BLE)
ADDRESS OF WELL SITE (IF DIFFER				CITY				TATE ZIP CODE			
Martha C. Rose Chem	Site 500		CKissock NUMBER	Holden	VERIFIED BY OWN	CD	MO	64040)	L	DATE
				SIGNATURE (W		X					LANE .
Martha C. Rose Chem		MW:		AMELED FROM			OF MELL				<u> </u>
SKETCH THE LOCATION TO THE I OR HIGHWAYS	WELL INCLUDING	MILEAGE ON	ALL HOADS IH	WAFFED LHOW W	EAREST TOWNS	LOCATION	OF WELL			AREA	
						LAT	_•			ELEV	
						LONG.	•	•	-	COLINERY	Johnson
	-					LONG.	SMAL	LEST			LARGEST
							SI		SE		NE x
See	Attached					.				_^_	
	4 (826)					SEC.	10 7	WN. —45N	N	RNG. —	28W E OR W
DESCRIBE LOCATION OF THE WE	LL SO WE WOULD	RE ARIE TO	VISIT THE WELL	SITE	I DRILLER !	NOTES:				· · · · · ·	7 (5 Fig.)
DEBOTION OF THE VIE			VIOLITIE IVEE								
			1		Nt	ciot if	Cert Reco	ord (1218	164) is	illegi	ble.
	 	***	samt to								
			ABA	ANDONMEN	T INFORMA	ATION					
FORMER USE OF WELL				ORIGINAL DRILL	ER (IF KNOWN)	• .	DATE ORIGIN	IALLY DRILLE	D (IF KNO	WN) STAT	C WATER LEVEL
	RRIGATION			Layne Wes	tern		Aug 9, 1				
DOMESTIC	SOIL BORING	F - 54. ~		DEPTH OF THE		LENGTH OF	CASING		METER	DRILL HO	LE DIAMETER
	MONITORING			12.5 Fe	et	2.5 Feet	· · ·	2"		(IF KNOW	M) 811
PUBLIC WATER SUPPLY	MINERAL EXPL	ORATORY TE	ST.HOLE.	PUMP REMOVE	FROM WELL?		SING CUT OFF		TYPE	OF CASING	नेवाहीतकाम १००० छ। सं
☐ HEAT PUMP	LI VINEN			₩ YES			UND SURFACE	?			CONCRETE
GROUT INSTALLATION METHOD	GROUT MATERIA	L USED		□ NO		YES A	GALLONS OF V	WITED MIVED		TEEL D	
	NEAT CEMENT		E C/D	Grout			CEMENT OR		GRO	UT USED 1	cement
GRAVITY	HIEARLY	2 SLURA		uran □oπ						bs. Ben	
☑ TREMIE	K TYPE 1	CHIPS				8.	5		PER		
TYPE OF FILL MATERIAL USED				L MATERIAL USE	:D	CIF	RCLE ONE DE	PTH TO TOP	OF FILL M	ATERIAL	34
GRAVEL AG-LIME		1			_		FF	OM THE SUR			
SAND OTHER						CU. YDS					
WAS THE WELL ABANDONED BEG A PUBLIC OR RURAL WATER SUP		G UP TO	YES XIN	n	BEFORE PLUG		UNT USED FOR			DATE WELL	WAS PLUGGED
IF YES, WHAT IS THE NAME (7			LLONS OF CH UNDS OF CHL			
					YES X	NO	•	BLETS OF CHL		1-25	-00
REMARKS					REASON WEL	L WAS PLUGO	GED .				
All well ma	terials wer	e pulled	from bor	ehole.						<u> </u>	_
Hole was tremie gro	uted from 1:	2.5 feet	to surfa	ce -		No lon	ger neede	d.			
with cement Bentoni	te grout.	Hole was	caped wi	th native							
soil. Varience was	not used.										
				-	 						 :
					ļ					·	
·					1	·					
I HEREBY CERTIFY THAT THE WE	LL HEREIN DESCR	IBED WAS P	LUGGED IN AC	CORDANCE WITH	THE DEPARTME	NT OF NATUR	RAL RESOURCE	ES REQUIRE	MENTS FO	A THE PLUG	GING OF WELLS
SIGNATURE (PRIMARY CONTRAC		11	PERMIT NUM	SER S	CNITUTE (CONT	7114	Ω		RMIT NUM		DATE
X () papica o	て、スパイ	או שיא או	エクロス46	26 WM I)	1/1/200	U V MA	TA61	10	01080	rm	1-31-00

MO 7803603 (7-97)

DISTRIBUTION: WHITE/DIVISION CARRAY/CONTRACTOR PINK/OWNER
MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES, P.G. BOX 250, ROLLA, MO 65402
ENCLOSE NO FEE WITH REGISTRATION RECORD WITHIN 60 DAYS AFTER WELL COMPILETION



MO 780 1803 (7-97)

MISSOURI DEPARTMENT OF NATURAL RESOURCES DIVISION OF GEOLOGY AND LAND SURVEY (573) 368-2165

ABANDONMENT REGISTRATION RECORD

OFFICE USE ONLY	DATE RECEIVED	
REF. NO. 204034		
C.R. NO.	CHECK NO.	
STATE WELL NUMBER	TRANSMITTAL NO.	
ENTERED	APPROVED BY	ROUTE

REGISTR	RATION RECO	ORD	ENTERED Ph 1	Ph 2	Ph 3	APPROV	ED BY	,	ROUTE /	
INFORMATION SUPPLI	ED BY WELL O	R PUMP INSTAL	LATION CO	NTRACTOR						
OWNER NAME					TELEPHONE				NCE NUMBER	
Clean Sites, Inc.					703-	731-1279			•	
	ers Lane		CITY			STATE	ZIP CODE		1372	
KARAKK XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			Alexar	ndria		VA	22314		CERTIFICATION NUMBER PLICABLE)	
ADDRESS OF WELL SITE (IF DIFFERI		est McKissock	1			1		l l	·	
Martha C. Rose Chem	Holds	VERIFIED BY OWNE	:a	MO	64040	<u>_</u>	DATE -			
Martha C. Rose Chem	i1-	WELL NUMBER MW213	SIGNATURE (M							
SKETCH THE LOCATION TO THE			AVELED FROM			OF WELL		Lane		
OR HIGHWAYS							•	_ ARE	Λ	
					LAT			ELE	·	
6					LONG			cou	Johnson	
See	Attached					SMAL SV		E	LARGEST NE	
				•			<u>'x</u>	×	X	
					SEC.	10т	WN 45N	N RN6	g28W E OR W	
					<u> </u>		····			
DESCRIBE LOCATION OF THE WE	LISO WE WOULD BE A	ABLE TO VISIT THE WELL	. SITE	DRILLER N	IOTES:		7. 7.45 5,7 840	36	•	
, ,				M	wall as-		/4240E0\	411 4 h 1		
	\$47 (b).	· · 		my v	Mell Cer	t. record	(121859)	Tilegib		
									·	
	ABANDONMENT INFORMATION									
FORMER USE OF WELL	The street days are a second			LER (IF KNOWN)		DATE ORIGIN	ALLY DRILLED (IF KNOWN)	STATIC WATER LEVEL	
'l	IRRIGATION ::	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	Layne We	estern		August 1	1994 (?)	•	10.96 TOC	
DOMESTIC: SPECIAL	DEPTH OF THE						CASING DIAME		ILL HOLE DIAMETER	
MULTI-FAMILY	et	approx	8 Feet	2"		KNOWN) 811				
PUBLIC WATER SUPPLY								ASING TO THE TOTAL TOTAL		
HEAT PUMP	OTHER	 -	M YES." .					C CONCRETE		
GROUT INSTALLATION METHOD	GROUT MATERIAL US	GED 0/D 0				GALLONS OF V	VATER MIXED	NUMBER O	F BAGS OF	
GRAVITY	NEAT CEMENT BE	NTONITE C/B G	rout	['	PER BAG OF CEMENT OR BENTONITE? GRO			GROUT US	_{ED} 1 Cement Bentonite	
TREMIE	HI-EARLY D	SLURRY GRAN	ULAR 🗆 OTI	HER				POUNDS O	OUNDS OF GROUT	
CO TREMIC	TYPE 1	CHIPS PELLE			8.5 PE			PER BAG	94	
TYPE OF FILL MATERIAL USED		AMOUNT OF FIL	L MATERIAL US	ED	CII		EPTH TO TOP OF		AL .	
GRAVEL AG-LIME					CU. YDS		IOM THE SURFAL	Æ		
WAS THE WELL ABANDONED BEG	CAUSE OF HOOKING UP	TO		WELL CHLORIN	IATED AMO		THE CHLORINAT	ION DATE	WELL WAS PLUGGED	
A PUBLIC OR RURAL WATER SUP		YES X N	0	BEFORE PLUG	GING?		LLONS OF CHLO	i		
IF YES, WHAT IS THE NAME (OF THE WATER DEST	HICT:		□YES 🖄 N	ю —		UNDS OF CHLOR ILETS OF CHLOR	1	1-24-00	
REMARKS				REASON WELL	WAS PLUGO					
						_	· .			
Varience not use	d - all materi	als removed from	om			No 1d	onger neede	ed.		
						•	 	. ;		
borehole - Cement Bentonite grouted via tremie from								· · · · · · · · · · · · · · · · · · ·		
16 feet to surface	- caped boreho	le with native	soil.	<u> </u>						
			<u>-</u>							
	· ····	<u> </u>		 						
										
]		 _		1						
I HEREBY CERTIFY THAT THE WE	LL HEREIN DESCRIBE	WAS PLUGGED IN ACC	CORDANCE WITH	H THE DEPARTME	NT OF NATU	RAL RESOURC	ES REQUIREMEN	ITS FOR THE	PLUGGING OF WELLS.	
SIGNATURE (PRIMARY CONTRAC	TOR)	PERMIT NUME	BER I	HONOTURE (CONTI	RACTOR)	10	PERM	TNUMBER	DATE	

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1-31-00



MO 780-4603 (7-97)

MISSOURI DEPARTMENT OF **NATURAL RESOURCES DIVISION OF GEOLOGY AND** LAND SURVEY (573) 368-2165

OFFICE USE ONLY C.R. NO. CHECK NO.

DATE RECEIVED

ABANDO	NMENT			STATE WEL	L NUMBER		TRAN	TRANSMITTAL NO.				
	ATION REC	CORD	-	ENTERED	Dt ^		APPF	PPROVED BY		POUTE /		,
INFORMATION SUPPLI				LATION CO	Ph 2		n ə		1			1
OWNER NAME	LO DI WELL	01110	ini irona.				HONE	-			CE NUMB	ER
Clean Sites, Inc.						7	03-731-127			1.	1372	
OWNER ADDRESS 635 Slat	ers Lane			сту			STATE	ZIP COD	E	L		
KKRRXKKKKKKKKKKKK		<u> </u>		Alexand	iria		STATE	ZIP COD	314	WELL CERTIFICATION NUMB (IF APPLICABLE)		
ADDRESS OF WELL SITE (IF DIFFERE Martha C. Rose Chem	•	Maat M	cKissock	Holden			MO		040			
Martha C. Rose Chem	31 te 500		NUMBER	INFORMATION V	ERIFIED BY OWN	IER	1 110	1 04			D/	TE
Martha C. Rose Chem	icals	M	W214	SIGNATURE (WE	LL OWNER)	X						
SKETCH THE LOCATION TO THE V	VELL INCLUDING MI	LEAGE OF	I ALL ROADS TR	VAVELED FROM N	EAREST TOWN	S LOCA	TION OF WELL			AREA		·
OR HIGHWAYS	-					LAT.	· _	 ' _		ELEV		
						LONG	2 •	•			TY <u>Jo</u>	hnson
								ALLEST		COUN	_	GEST
ç								SW ,	KSI	<u> </u>	NE	×
See	Attached						EC. 10		45N	- N RNG.	28W	
14.4					. ,	•	LU	- 1WN		→ N MNG.		E OR W
DESCRIBE LOCATION OF THE WEI	LL SO WE WOULD B	E ABLE TO	VISIT THE WELL	L SITE :-	DRILLER	NOTES:	أولج ومرود ويرارون					
											*4040	
					My	сору	of cert.	record i	llegib	le (Ref	#1218	(61)
	· · · · · · · · · · · · · · · · · · ·		,			,-,						
			AB	ANDONMEN	T INFORM	ATION	<u>':</u>	<u> </u>				
FORMER USE OF WELL	_	****		ORIGINAL DRILLI	•	••	1	GINALLY DR	-	KNOWN) S		ATER LEVEL
	IRRIGATION		remove to can of	Layne We:		r		gust 9,			5.41	
DOMESTIC	_I SOIL BORING	7. 94	74 1	DEPTH OF THE W	//E KNOWN				NAMETER :::			
PUBLIC WATER SUPPLY		RATORY T	FST HOLE	8.() Fee	2.5			ang star	-			
				₩ YES				_				
GROUT INSTALLATION METHOD	GROUT MATERIAL	LICED		□ NO	YES INO IN STEEL HOW MANY GALLONS OF WATER MIXED NUMBER			STEEL				
		BENTONIT	- C/	B Grout	PER BAG OF CEMENT OR BENTONITE? GROUT USED 1 Ce			1 Cen	nent			
GRAVITY		E SLURF		ULAR OTHE	R		PO			5 1bs. E		ite
IX TREME	X TYPE 1	☐ CHIPS	PELLE	TS			8.5		P	ER BAG	9)4
TYPE OF FILL MATERIAL USED			AMOUNT OF FIL	L MATERIAL USE)		CIRCLE ONE			L MATERIAL		
GRAVEL GAG-LIME				•		CU. Y	DS./TONS	FROM THE	SUMPACE			
WAS THE WELL ABANDONED BEC		UP TO	7 . 19		WELL CHLOR		AMOUNT USED	FOR THE CHIL	ORINATIO	N DATEW	ELL WAS	PLUGGED
A PUBLIC OR RURAL WATER SUPP IF YES, WHAT IS THE NAME O			YES DIN	10	BEFORE PLUK	3GING?		GALLONS OF		1		
ii (20, MIAI 10 III2 MAIL 0	WIE WAIER OF	JIIWI.		•	YES D	NO		POUNDS OF TABLETS OF		1	1-23-	-00
REMARKS	211	1		hanab-1-	REASON WEL	1 WAS P	WGGED					-
Varience not used -	~			•				_				
Borehole tremie grouted from 7.5 Feet to surface -							No	longer n	eeded.	·	•	
caped with native soil.												
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I HEREBY CERTIFY THAT THE WEL	L HEREIN DESCRIE	BED WAS	PLUGGED IN AC	CORDANCE WITH	THE DEPARTM	ENT OF N	LATURAL RESOL	IRCES REQU	IREMENTS	FOR THE P	LUGGIN	3 OF WELLS.
SIGNATURE (PRIMARY CONTRAC	TOR)		PERMIT NUM	BER S	ENFILIPE (CON	TRACTOR	9 4 🔿		PERMIT N	UMBER	To.	NTE

Kidwell DISTRIBUTION: WHITE/DIVISION CANARY/CONTRACTOR PRICOWNER
MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES, PO. BOX 250, POLIA, MO 65402
ENCLOSE NO FEE WITH REGISTRATION RECORD WITHIN SO DAYS AFFED WELL COMPLETION

1-31-00



MISSOURI DEPARTMENT OF **NATURAL RESOURCES DIVISION OF GEOLOGY AND LAND SURVEY** (573) 368-2165

ABANDONMENT REGISTRATION RECORD

lessica .

MO 780 003 (7-97)

OFFICE USE ONLY	DATE RECEIVED
REF. NO. 204036	
C.R. NO.	CHECK NO.
STATE WELL NUMBER	TRANSMITTAL NO.
ENTERED	APPROVED BY ROUTE

nedisin	MIION NE		·	Ph 1	Ph 2	P	ት 3				1	
INFORMATION SUPPLI	ED BY WELL	OR PU	MP INSTALI	LATION C	ONTRACT	OR						
OWNER NAME							PHONE				VARIANCE (IF APPLIC	NUMBER
Clean Sites, Inc.					•		703-7	731-12	79		l	·
OWNER ADDRESS 625 S1a	aters Lane			СПУ			8	TATE	ZIP CODE	_	1	372
A ROCK XEX X XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		(Alexa	ndria			VA	22314		WELL CEF	TIFICATION NUMBE
ADDRESS OF WELL SITE (IF DIFFERE		<u></u>		CITY			8	TATE	ZIP CODE		(IF APT-LIC	:XOCE)
Martha C. Rose Chem	Sita 500	West	McKi ssock_	Halda.	_			MO	64040			
SITE NAME	31te 300		MCK1SSOCK_	Ho I de	<u>n</u> I VERIFIED BY O	MNER		MU.	1 64040		L	DATE
Martha C. Rose Chem	desle	м	W215	SIGNATURE (WELL OWNER)	Χ						
SKETCH THE LOCATION TO THE				AVE: ED EBOM	NEAREST TOW		ITION OF	WELL	=		T	<u> </u>
OR HIGHWAYS	WELL HOLDONG M	illowie Oi	THE HOUSE	NO.	(ILPELO) IO			******		_	AREA_	
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						LONG	•	•		-	601 W.T.	_ Johnson
Saa	Attached					LONG	<u> </u>		ALLEST		COUNT	LARGEST
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	·			NDONME	NT INFOR	NOTTAN	l'	• • •			<u>`</u>	120-11
ORMER USE OF WELL				ORIGINAL DRIL	LER (IF KNOW	V)	. 0	ATE ORIG	ENALLY DRILLE	(IF KNO	NVN) ST/	ITIC WATER LEVEL
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TYPE OF FILL MATERIAL USED			AMOUNT OF FILL	L MATERIAL US	ED		CIRCI		DEPTH TO TOP O		ATERIAL	
GRAVEL AG-LIME						CITA	/DS./T	1	FROM THE SURF	ACE		
SAND OTHER	ALIGE OF HOOKING			·	MELL CHIC				OD THE CHI ODIN	ATION	DATEME	L WAS PLUGGED
PUBLIC OR RURAL WATER SUP			TYES AN	o	BEFORE PL				CALLONS OF CHIL		EWE	_ wo russel
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HEREBY CERTIFY THAT THE WE	LL HEREIN DESCRIF	BED WAS	PLUGGED IN ACC	ORDANCE WIT	THE DEPART	MENT OF N	NATURAL	. RESOUP	CES REQUIREM	ENTS FO	R THE PLL	IGGING OF WELLS
EIGNATURE (PRIMARY CONTRAC	TOA)		PERMIT NUMB	IER	SIGNAPURE (C	HTRACTOR	PO, (P	\	PER	MIT NUM	BER	DATE

PERMIT NUMBER

003466WM X

DISTRIBUTION: WHITE/DIVISION CALARY/CONTRACTOR PRICOWNER

MAIL WHITE COPY TO: DEPARTMENT OF NATURAL RESOURCES, P.O. BOX 250, ROLLA, MO 65402

ENCLOSE NO FEE WITH REGISTRATION RECORD WITHIN AN DAYS AFTER WELL COLUMN FETOWN

ENCLOSE NO FEE WITH REGISTRATION RECORD WITHIN AN DAYS AFTER WELL COLUMN FETOWN

OF THE PROPERTY OF

1-31-00

APPENDIX G
A.T.A.S. LABORATORY ANALYTICAL REPORT

01/31/Q0 NON 11:56 FAX 314 434 UUGU

AMERICAN TECHNICAL & ANALYTICAL SERVICES, INC.

875 Fee Fee Road - Maryland Holghis, MO 63048 - (314) 434-4570 - FAX (314) 484-0080

January 31, 2000

Tom Brown
Burns & McDonnell
9400 Ward Parkway
Kansas City, MO 64114

RE: ATAS #28803.01 99-447-4 - Rose Chem

Dear Mr. Brown:

Enclosed is the analytical report for the sample received in our laboratory on January 27, 2000.

If, in your review, you should have any questions or require additional information, please call.

Thank you for choosing ATAS for your analytical needs.

Sincerely,

Jeffrey A. Carr Project Manager

Enclosures

JAC/cb

ATAS

"Professional Commitment"

ATAS 875 Fee Fee Road • Maryland Heights, MO 68043 • (314) 434-4570 · FAX (314) 434-0080

CLIENT: BURNS & MCDONNELL

REPORT: 28803PCB (525)

9400 WARD PARKWAY

KANSAS CITY, MO 64111

: 01-31-00

TOM BROWN

SAMPLE MATRIX :

CUTTINGS % SOLID: 84

: 28803.01 DATE SUBMITTED: 01-27-00

DATE EXTRACTED: 01-27-00

DATE ANALYZED: 01-28-00

METHOD REF. : SW846-8082, EPA METHODOLOGY PROJECT : #99-447-4 - ROSE CHEM SAMPLE ID : 1 - VARIOUS

RESULTS REPORTED IN ug/Kg OR Parts Per Billion (PPB)

PCB'S		REPORTING	LIMIT		RESULT
					• • •
AROCLOR 1	016	11,9			ND
AROCLOR 1	221	11.9	1		ND
AROCLOR 1	232	11.9			ND
AROCLOR 1	242	11.9	1.7		. כדומ
AROCLOR 1	248	11.9			ND
AROCLOR 1	254	11.9			ND
AROCLOR 1	260	11.9			ND
TOTAL PCB	6			8 - 1 -	ND

DECACHLOROBIPHENYL (30-150)	٠	72	ł
TETRACHLORO-M-XYLENE (30-150)		. 78	¥

NOT DETECTED ABOVE REPORTING LIMIT

B = ANALYTE DETECTED IN METHOD BLANK POSSIBLY BELOW THE REPORTING LIMIT

ATAS 875 Fee Fee Road • Maryland Heights, MO 63043 • (314) 434-4570 - FAX (314) 434-0080

CLIENT: BURNS & McDONNELL

ZATA

REPORT: 28803PCB (525)

9400 WARD PARKWAY

KANSAS CITY, MO 64111

DATE

01-31-00

ATTN: TOM BROWN

SAMPLE MATRIX : SOIL

: METHOD BLANK

DATE SUBMITTED: 01-27-00 DATE EXTRACTED: 01-27-00

DATE ANALYZED: 01-28-00

METHOD REF SW846-8082, EPA METHODOLOGY

: #99-447-4 - ROSE CHEM PROJECT

SAMPLE ID METHOD BLANK

RESULTS REPORTED IN ug/Kg OR Parts Per Billion (PPB)

PCB'S		REPORTIN	G LIMIT	RESULTS
AROCLOR	1016	10.	0	NID
AROCLOR		10.		ND ND
AROCLOR		10.	0	ND
AROCLOR		10.	-	ND
AROCLOR AROCLOR		10. 10.	₹	ND
AROCLOR	. —	10.	·	ND ND
TOTAL PO	TRE .			ND

D745 674 676		/		. '		- 4	
DECACHLORO	RITHEN	1XF (30-	150)			82	*
TETRACHLOR	O-M-XY	T.ENE (2	0-150	١	:	95	2

= NOT DETECTED ABOVE REPORTING LIMIT

B - ANALYTE DETECTED IN METHOD BLANK POSSIBLY BELOW THE REPORTING LIMIT.

01/31/00 MON 11:57 FAX 314 434 0080

ATAS 875 Fee Fee Road • Maryland Heights, MO 63043 • (314) 484-4570 - FAX (314) 434-0080

LABORATORY QUALITY CONTROL SEQUENCE

SAMPLE MATRIX : SOIL

REPORT DATE: 01-31-00

DATE EXTRACTED: 01-27-00

DATE ANALYZED: 01-28-00

METHOD REF. : SW846-8082, EPA METHODOLOGY

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

28810.01

28810.01

RELATIVE

MATRIX SPIKE COMPOUND % RECOVERY

MATRIX SPIKE DUP. % RECOVERY

PERCENT DIFFERENCE

AR1260

93 %

88 %

1	
さてい	
4	
77.77	
1	
20/40/4	
7	

			Request for Chem	ical Analysis s	and Ch	ain of Cu	ustody i	Record	: .	
Burns & MoDonnell Weste Consultants, Inc. 9400 Ward Parkway Kansaa City, Missouri 64114 Phone: (816) 333-8787 Fax: (816) 822-3483 Attention: To ~ Oro ~			Laboratory ATAS, Inc. Address 875 Fee Fee Read					Document Control No:		
								Lab. Reference No. or Belisode No.:		
			Chysmazip maryland, Heights mo 6304							
			Telephone 314-434-4570						7	777
Project	Number:	99-447-4	Project Name: Rose Chem		8	Sample Type			/	
Site, Gr	oup, or 8W	MU Name:			Matrix			3/		
	Number	Sample Location	Material Sempled	Sample Collected		•	i d	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	/:/	n.+es
Sample Point	Semple Dealgnetor			Date	₹	W				Quantity (eq. it. or it/mar)
1	SR	Various	Cuttings	1-25-00			×	X	:	Sample one bottle
		(28803.01)								Keev second bottle
						,				in event that first
		LM								one breaks.
		1-27-00 IDI				,	-			
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· · · · · ·										
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Sample	f felynalaruk	Orasica X	Kidwell	01-25-200	$\overline{\mathcal{O}}$		Special (nstruction	18;	See above note
Sample	l (signalare):		PECEIVED		•	· · · · · · · · · · · · · · · · · · ·				
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	ished By:	Dal	le/Time Relinquished By:				Commer			1 100 P / DIT CAU
2.		friguetraj:		(signature):	1			· · · · · · · · · · · · · · · · · · ·		

CUSTODY SEAL INTACT

APPENDIX H
WASTE DISPOSAL CERTIFICATES

+2058528143

T-249 P.04/05 F-920



Waste Management, Inc Emaile Pacility P.O. Box 55 Emolie, Alabama 35459-0055 (205)652-8721

EPA ID Number: ALD000622464

ROSE CHEMICAL STERRING COMMITTEE 500 W. MCKISSOCK ST. HOLDEN, MO 64040-1036

ACKNOWLEDGEMENT OF RECEIPT OF WASTE SHIPMENT

Generator Name:

ROSE CHEMICAL STEERING

Generator US EPA ID: VACESQG00001

Enclosed is/are your Generator Number Two copy/copies for Alabama Manifest Number (s): CMMA - 0857158

This copy is to acknowledge that Chemical Waste Management, Inc., of Emelle, Alabama has received your shipment. As a requirement of 40 CFR 264.12 (b), this letter serves to inform you that this facility has the proper permits and will accept your shipment upon completion of waste analysis procedures specified in the facility's Waste Analysis Flan and as determined in the approval waste profile submitted for this/these wastes.

As of September 26, 1997, Chemical Waste Management, Inc., Emelle Alabama (ALD000622464) is operating under a RCRA permit (AHWOGA Permit) issued by the the Alabama Department of Environmental Management.

Dorothy Oliver Recordkeeping and Reporting Technician

04/12/00

+2058528143

T-248 P.05/05 F-820

	(As Required By The Alabems	WASTE	MANIFEST Intel Management)
UNIFORM HAZARDOU	on willo (†2-pach) typewrher.) S 1. Génerator's UB EPA ID No.	Manifest 2. Page	From Approved, Chill No. 2000-0019, Regime \$-80.4
ROSE CHRICAL STEERING 635 SLATERS BANE ALEXANDRIA VA 22314 CONTROL CONTROL CONTROL 1 TORREST CONTROL 1 TOR	500 W. MCK HOLDEN, MO	issock st.	
ENVIRONMENTAL SPECIA	A CONTRACT OF THE PARTY	17 19 10 18 18 16 16 15 67A 10 Number	
CHEMICAL WASTE MANAGEMEN Emelle Pacifity Alabama Highway 17 at Mile Markas Emelle, Alabama 35453	NT, INC.	0 0 5 2 2 2 4 6 4	
1. US DOT Description dischaling Proper (Shipping Nome, Housed Class, and ID Humb	(2. Consulners Sin. Type	18. 14. Unit Chereity Wr/Yo
Nonhazardous Waste, Deposed Approval # <u>033102~0008</u>	Nowergulated Material (SOIL)	105140 P
Disposed Approval #	CW4 Profile 6	40	
Application of the second	- CWM Primary	1	
Reposal Approved #	CWM Profile #		
Sisposal Approval 8	OWM Profile 4		
S. Special Handling Instructions and Addis	1154 4489	Car Comme See do Ad	4,000,000
	7	NTACT: <u>QRR / 95% 2287</u> signment are fully and accurately de	
aconomically preciseble and that I have history threat to human health and the in the best waste management method to	sify that I have a pregram in place to radiuse re anlected the preprietable method of treatme	HIL STOYAGE, OF CHEDGOU! CUTTERITY AND	nerated to the degree I have determined to be hisble to me which minimizes the present and ritle minimize my waste generation and select
- Jessicz Kidwell	fer Regist lienical	La X	Swell 10141/10100
	resempt or intervent	-	Mench Pay Year
Princed/Typed Name	THE PART OF THE PA	a lileador	
LEE WILLS		e Wicks	Month Day You
Principly of Pierre LEE WILLS 18.Transporter 2 Aginostindgement of Principly of Russia	YAZ CAY	Montes 4/12/	loly Liolog
Printed/Name Plants	Receipt of Nacortain The of added to	Montst 4/12/	loly Liolog

Apr-20-00 03:18pm From-IM EMELLE APROVALS

+2056528143

T-248 P.02/05 F-920



Waste Management, Inc Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (205)652-9721

EPA ID Number: ALD000622464

ROSE CHEMICAL STEERING COMMITTEE 500 W. MCKISSOCK ST HOLDEN, MO 64040-1036

ACKNOWLEDGEMENT OF RECEIPT OF WASTE SHIPMENT

Generator Name:

ROSE CHEMICAL STEERING

Generator US EPA ID: MOCESQG00001

Enclosed is/are your Generator Number Two copy/copies for Alabama Manifest Number(s): CWMA - 0857159

This copy is to acknowledge that Chemical Waste Management, Inc., of Emelle, Alabama has received your shipment. As a requirement of 40 CFR 264.12 (b), this letter serves to inform you that this facility has the proper permits and will accept your shipment upon completion of waste analysis procedures specified in the facility's Waste Analysis Plan and as determined in the approval waste profile submitted for this/these wastes.

As of September 26, 1997, Chemical Waste Management, Inc., Emelle Alabama (ALD000622464) is operating under a RCRA permit (AHWAMA Permit) issued by the the Alabama Department of Environmental Management.

Dorothy Oliver / Recordkeeping and Reporting Technician

04/18/00

+2056528143

UNYA - SAUGET IL

T-248 P.03/05 F-920



WASTE MANIFEST

(As Required by The Alabama Department of Environmental Management) Party Approved, QASS No. 2009-0000. Expires #-30-01 print or upp. " Force designed for use on allo (12-pitch) typermiter.)

[INI-ORM HAZARDOUS | 1. Germeter's UR EAA ID No. Information in the shaded areas is not required by Federal law. UNIFORM HAZARDOUS WASTE MANIFEST RORIES DUES HUCER ROSE CHEMICAL STEERING COMMITTEE ROSE CHEMICAL SANS 635 SLATERS LANE ALEXANDRIA, VA 22314 ALEXANDRIA, VA 22314 703 | 519-2135 SITE: 500 W. MCKISSOCK ST. ROLDEN, MO Generator's Phone (703) UR SEA IS Vices ENVIRONMENTAL SPECIALISTS INC M O D O O O 7 9 0 8 8 6 Listen " Cottense" ere juda en eldere Designated Feeling Name and Site Address CHEMICAL WASTE MANAGEMENT, INC. Emelle Facility Alabama Highway 17 at Mile Merker 183 A L D 0 0 0 0 6 2 2 2 4 6 6 4 Emally, Alabama 35489 11. US DOT Description (including Proper Shipping Numb. Heaved Class, and ID Number) Type NONHAZARDOUS WASTE, MONREGULATED MATERIAL (SOIL) 033102-0008 DI DI 1 esi Approval# _ CWM Profile # ____CG7429 __ CWM Profile # (Naponel Approval # CWN Profile # CWM Fraille # Disposal Approval # 15. Special Heading Instructions and Additional Intermetter 1997 1997 Purchase Order# BILL TO ONYX-SAUGET, PC#664 54 6498 888/353-2387 Work Order # **EMERGENCY CONTACT:** GENERATOR'S CERTIFICATION: I hereby dod sists of this consignment are fully and accurately described above by proper shipping rame and are distailed, packed, marked, and labeled, and are in all respects in proper condition for transport by nights according to applicable international and national government regulations. If I am a longe quantity generator, I certify that I have a program in place to radiuse the valume and toxicity of waste penerated to the degree I have determined by be companiedly precisable and that I have selected the practicable quantity of values, or deposal currently evaluable to me which minimizes the present and future threat to human health and the environment; Off, if I am a final quantity generator, I have made a good faith offert to minimize my waste generation and select the best waste minimparator method that is explicitly to me and I have I can after. fer Rose Chemisals Steel illa Committee ussica Kidwel - - - BATT At dc 井 d in them 15. · Auking DISPOSED (Must Accompany Shipment)



Waste Management, Inc Emelle Facility P.O. Box 55 Emelle, Alabama 35459-0055 (206)852-9721

Federal EPA ID Number: ALD000622464 Manifest Document Number: 00000

ROSE CHEMICAL STEERING COMMITTEE 500 W. MCKISSOCK ST. HOLDEN, MO 64040-1036

CERTIFICATE OF DISPOSAL

Chemical Waste Management has received waste material from ROSE CHEMICAL STEERING described on Alabama Hazardous Waste Manifest Number CMMA 0857158

Chemical Waste Management, Inc. hereby certifies that non "PCB" line item(s) was / were disposed of on, or before, 04/11/00 , in accordance with State and Federal Regulations.

Dorothy Oliver, Recordkeeping and Reporting Technician

04/21/00



Waste Management, Inc Emelle Facility P.O. Box 56 Emelle, Alabama 35459-0055 (205)652-9721

Federal EPA ID Number: ALD000622464 Manifest Document Number: 00000

ROSE CHEMICAL STEERING COMMITTEE 500 W. MCKISSOCK ST HOLDEN, MO 64040-1036

CERTIFICATE OF DISPOSAL

Chemical Waste Management has received waste material from ROSE CHEMICAL STEERING described on Alabama Hezardous Waste Manifest Number CWMA 0857159

Chemical Waste Management, Inc. hereby certifies that non "PCB" line item(s) was / were disposed of on, or before, 04/14/00 , in accordance with State and Federal Regulations.

Dorothy Oliver

Recordkeeping and Reporting Technician

04/21/00